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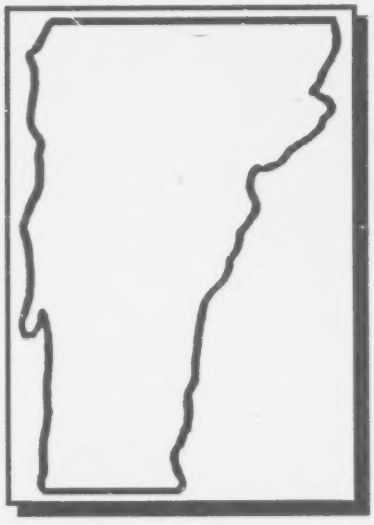

Vermont Department of Employment and Training
Office of Policy and Information

VERMONT

ANNUAL PLANNING INFORMATION

1991

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INTRODUCTION

A large volume of economic and demographic data is available for Vermont; however, using separate publications for various data elements can make it difficult to use the information effectively. The Annual Planning Information provides a single source for the latest data and provides historical comparisons to highlight trends. The wide range of data may be valuable to government planners, or individuals interested in the latest economic conditions in Vermont.

Most economic data is published at least once as "preliminary" until some further information is compiled to complete the final tabulation. Using a single source ensures that historical comparisons are valid. Comparisons with earlier versions of this publication, or other publications with similar data, should be done with caution, if at all, since historical data may have been revised. If you need historical data over a longer time span, or have questions about the data, you may obtain assistance by contacting the Department.

The length of time that a series is maintained is often influenced by the methodology used for producing the data. Administrative data that is tallied can frequently be produced for extended periods. However, more complex data series that require an estimating procedure, such as the county unemployment rate, may not be available for the desired length of time. Complex estimating procedures are occasionally revised to improve accuracy, but this may reduce the length of the series. If data is not available for the desired period, it may be necessary to use an alternative series that reflects the same type of conditions.

The analyst or planner is frequently faced with questions about the quality of the data that is being used. At times it is necessary to use information that does not meet official standards for publication, if that is all that is available. Data that does not meet the official publication standards for reliability of the producing agency are included in this publication, and labeled accordingly. The analyst should use this data with caution.

HIGHLIGHTS

After years of above average growth, Vermont's population dropped back to the national growth rate. Vermont continues to grow faster in population than the New England region as a whole.

Lamoille county had the highest annual population growth through the 1980's, averaging 1.6 percent per year. Essex was the slowest growing county in the state at 0.1 percent annual growth.

Vermont's per capita income increased to $17,436 in 1990, which remained about 93 percent of the national income figure.

Manufacturing production worker's average hourly wage increased by 5.4 percent in 1990, matching the rate of inflation. Much of the growth in average wage data is due to the effect on the average wage caused by the layoffs of younger and less senior workers in depressed firms. The highest wage growth this year in Manufacturing was in the Stone, Clay and Glass Industry, which increased by over 10 percent. Hourly wages in Fabricated Metal, however, fell by over 10 percent.

Over 4,000 jobs were lost to the Vermont economy in 1990. The drop of nearly 2 percent from 1989 to 1990 was a sharp turnaround after years of rapid job growth.

Goods Producing employment fell by 8.4 percent in 1990. Most Manufacturing industries and Construction have been severely affected in the recent economic recession.

Service Producing industries as a whole held their ground, but the welfare of individual industries within this division was mixed. Transportation and Health Services provided the most significant job growth in 1990.

The Vermont labor force likewise grew at an anemic 0.7 percent in 1990. The unemployment rate has increased steadily throughout most of 1990 to reach a yearly average of 5.0 percent.

Unemployment rates in 1990 ranged from 3.3 percent in Chittenden County to 8.6 percent in Orleans County.

The 1990 unemployment statistics showed the data for women improving compared to men. The improvement, however, was due to the female unemployment data worsening less rapidly than the data for men. In 1990 women had 40 percent of the unemployment and experienced a 0.4 percentage point unemployment increase, while the male rate jumped 2.0 percentage points.

The unemployment rate for teenagers (16-19 years old) was 14.6 percent in 1990, again the highest for any age group.

The number of applicants per job opening received by this Department rose from to 3.5 in FY90 to 4.7 in FY91, as more people applied for fewer available positions. Structural Work had the greatest number of applicants per job order, and Farming had the least.

I. POPULATION

Vermont's annual rate of population growth continues to exceed the New England growth rate. However, the 1990 census of population estimates for Vermont show a decrease in the annual growth rate from 1.4 percent in 1980 to 1.0 percent in 1990, equal to the national growth rate. Although declining, the annual growth rate for Vermont remained above the rebounding New England figure of 0.7 percent.

Among the state's major local jurisdictions the town of Milton in Chittenden County with its most recent annual growth rate of 2.1 percent showed the largest gain in population since 1970. Except for Hartford, most of the fastest growing major cities and towns are in Chittenden County. (See Table 1).

The population of Vermont's Labor Market Areas is shown in Table 5. The greatest growth rates in population between 1980 and 1990 occurred in the Morrisville area, which grew at an annual rate of 1.6 percent. During the 1980 to 1990 period all labor markets showed increases in population, except for the Springfield area.

Between 1980 and 1990 all counties in the state of Vermont showed population growth. Lamoille County had the largest annual growth rate for total population at 1.6 percent. Orange and Windham Counties were the growth leaders in the under 18 age group at 0.6 percent, while Grand Isle and Lamoille Counties were highest in the 18-64 age group at 2.1 percent. Lamoille County had the largest increase in the 65 and over group at 2.0 percent. Overall the under 18 year old group was the only age group that decreased, dropping by 0.2% between 1980 and 1990. (See Table 2).

For 1990 only Grand Isle and Orange Counties had more men than women, as females constituted 51.0 percent of the state's population. In the under 18 age group, however, all counties except Essex had more males than females. In the over 65 age group women continue to make up the majority in all counties.

TABLE 1
POPULATION OF MAJOR VERMONT CITIES & TOWNS
1970, 1980, 1990

Cities & Towns, County	1970 1/	1980 1/	1990 1/	Compound Annual Growth Rate/2 1970-1980	1980-1990
Burlington, Chittenden	38,633	37,712	39,127	-.2%	.4%
Rutland City, Rutland	19,293	18,436	18,230	-.5%	-.1%
Essex, Chittenden	10,951	14,392	16,498	2.8%	1.4%
Bennington, Bennington	14,586	15,815	16,451	.8%	.4%
Colchester, Chittenden	8,776	12,629	14,731	3.7%	1.6%
S. Burlington, Chittenden	10,032	10,679	12,809	.6%	1.8%
Brattleboro, Windham	12,239	11,886	12,241	-.3%	.3%
Springfield, Windsor	10,063	10,190	9,579	.1%	-.6%
Barre City, Washington	10,209	9,824	9,482	-.4%	-.4%
Hartford, Windsor (Inc. White River Jct.)	6,477	7,963	9,404	2.1%	1.7%
Milton, Chittenden	4,495	6,829	8,404	4.3%	2.1%
Montpelier, Washington	8,609	8,241	8,247	-.4%	0.0%
Middlebury, Addison	6,532	7,574	8,034	1.5%	.6%
St. Johnsbury, Caledonia	8,409	7,938	7,608	-.6%	-.4%
Barre Town, Washington	6,509	7,090	7,411	.9%	.4%
St. Albans City, Franklin	8,082	7,308	7,339	-1.0%	0.0%

NOTES:
1/ U.S. Department of Commerce, Bureau of the Census
2/ See Glossary for definition.

TABLE 2
AGE-SEX DISTRIBUTION OF VERMONT COUNTIES
1990 CENSUS and PERCENT CHANGE from 1980 CENSUS

		TOTAL 1990	% CHG. 80-90	UND.18 1990	% CHG. 80-90	18-64 1990	% CHG 80-90	65+ 1990	% CHG. 80-90
ADDISON	MALE	16,419	1.1	4,453	0	10,502	1.6	1,464	1.9
	FEMALE	16,534	1.2	4,148	0	10,422	1.5	1,964	1.8
BENNINGTON	MALE	17,343	.8	4,670	-.3	10,487	1.2	2,186	1.3
	FEMALE	18,502	.7	4,323	-.4	11,025	1.0	3,154	1.3
CALEDONIA	MALE	13,620	.7	3,901	0	8,226	1.1	1,493	1.0
	FEMALE	14,226	.8	3,779	.3	8,278	.9	2,169	1.3
CHITTENDEN	MALE	63,932	1.3	15,750	-.4	44,193	1.9	3,989	2.0
	FEMALE	67,829	1.3	15,006	-.2	46,116	1.8	6,647	1.9
ESSEX	MALE	3,153	0.0	851	-1.5	1,889	.5	413	1.4
	FEMALE	3,252	.3	855	-1.0	1,895	.6	502	1.7
FRANKLIN	MALE	19,711	1.5	6,052	.5	11,925	2.1	1,734	1.1
	FEMALE	20,269	1.3	5,724	.4	11,970	1.9	2,575	.8
GRAND ISLE	MALE	2,673	1.6	735	.8	1,657	2.1	281	1.3
	FEMALE	2,645	1.2	680	- 3	16,546	2.0	309	.7
LAMOILLE	MALE	9,865	1.7	2,625	.5	6,340	2.3	900	2.0
	FEMALE	9,870	1.5	2,447	.5	6,162	1.9	1,261	2.0
ORANGE	MALE	13,099	1.3	3,736	.3	8,046	1.9	1,317	1.1
	FEMALE	13,050	1.5	3,506	.8	7,791	1.9	21,753	1.3
ORLEANS	MALE	11,858	.3	3,544	-.5	6,963	.6	1,351	1.6
	FEMALE	12,195	.2	3,282	-.9	7,014	.5	1,899	.9
RUTLAND	MALE	30,116	.8	7,639	-.5	19,125	1.3	3,352	1.0
	FEMALE	32,026	.5	7,354	-.6	19,474	.8	5,198	1.0
WASHINGTON	MALE	26,930	.6	7,171	-.5	17,183	1.1	2,576	.6
	FEMALE	27,998	.3	6,769	-.5	16,912	.7	4,317	.5
WINDHAM	MALE	20,294	1.4	5,479	.5	12,663	1.8	2,152	1.4
	FEMALE	21,294	1.0	5,151	.6	12,903	1.3	3,240	.7
WINDSOR	MALE	26,479	.6	6,902	-.3	16,226	.8	3,351	1.7
	FEMALE	27,576	.6	6,491	-.4	16,469	.8	4,616	1.5
VERMONT	MALE	275,492	1.0	73,508	-.2	175,425	1.5	26,559	1.4
	FEMALE	287,266	.9	69,575	-.1	178,087	1.3	39,604	1.3

SOURCE: U.S. Dept. of Commerce, Bureau of the Census

TABLE 3
PERCENTAGE DISTRIBUTION OF THE POPULATION OF VERMONT COUNTIES, 1990
BY AGE AND SEX-COUNTY AS A PERCENT OF STATE TOTAL

	State	Bennington	Chittenden	Franklin	Lamoill	Orleans	Washington	Windsor
		Addison	Caledonia	Essex	Grand Isle	Orange	Rutland	Windham
TOTAL	100%	5.9	6.4	4.9	23.4	1.1	7.1	.9	3.5	4.6	4.3	11.0	9.8	7.4	9.6
UND20	100%	6.3	6.2	5.3	23.0	1.1	7.9	.9	3.6	5.0	4.6	10.5	9.6	7.1	8.9
20-24	100%	6.8	5.6	4.2	34.5	.7	5.7	.6	3.5	3.5	3.2	10.5	8.9	5.8	6.4
25-34	100%	5.5	5.8	4.4	26.7	1.0	7.5	1.0	3.6	4.5	3.7	10.7	9.2	7.3	9.2
35-44	100%	6.0	5.9	4.9	23.2	1.1	6.8	1.0	3.5	4.7	4.1	10.8	10.3	7.9	10.0
45-54	100%	5.5	6.6	4.8	22.5	1.3	6.6	1.0	3.5	4.6	4.4	11.2	10.2	7.5	10.3
55-64	100%	5.3	7.3	5.3	19.6	1.5	6.8	1.1	3.2	4.8	4.7	12.0	9.9	7.6	10.8
65+	100%	5.2	8.1	5.5	16.1	1.4	6.5	.9	3.3	4.6	4.9	12.9	10.4	8.1	12.0
MALE	100%	6.0	6.3	4.9	23.2	1.1	7.2	1.0	3.6	4.8	4.3	10.9	9.8	7.4	9.6
UND20	100%	6.3	6.2	5.2	22.5	1.1	7.9	.9	3.7	5.1	4.6	10.4	9.8	7.2	9.0
20-24	100%	6.8	5.4	4.4	33.0	.7	5.4	.6	3.7	3.8	3.3	10.6	10.0	5.7	6.5
25-34	100%	5.6	5.7	4.3	26.9	1.0	7.6	1.0	3.6	4.5	3.7	10.7	9.0	7.3	9.1
35-44	100%	6.0	5.8	4.9	23.2	1.1	6.9	1.0	3.6	4.7	4.1	10.8	10.1	7.9	10.0
45-54	100%	5.8	6.4	4.8	22.2	1.3	6.8	1.1	3.4	4.6	4.5	11.0	10.2	7.5	10.4
55-64	100%	5.3	7.2	5.2	19.6	1.5	6.8	1.1	3.3	4.9	4.6	12.0	9.9	7.6	10.9
65+	100%	5.5	8.2	5.6	15.0	1.6	6.5	1.1	3.4	5.0	5.1	12.6	9.7	8.1	12.6
FEMALE	100%	5.8	6.4	5.0	23.6	1.1	7.1	.9	3.4	4.5	4.2	11.1	9.7	7.4	9.6
UND20	100%	6.2	6.2	5.3	23.6	1.2	7.9	.9	3.6	4.8	4.5	10.6	9.3	7.1	8.8
20-24	100%	6.9	5.7	3.9	36.1	.7	5.9	.6	3.3	3.1	3.1	10.5	7.8	6.0	6.4
25-34	100%	5.4	5.8	4.4	26.5	1.0	7.5	.9	3.6	4.6	3.7	10.6	9.3	7.3	9.3
35-44	100%	6.0	5.9	4.8	23.3	1.0	6.7	1.0	3.4	4.6	4.1	10.7	10.5	8.0	9.9
45-54	100%	5.3	6.7	4.7	22.8	1.2	6.4	1.0	3.5	4.6	4.4	11.4	10.1	7.5	10.3
55-64	100%	5.3	7.4	5.4	19.6	1.5	6.9	1.2	3.1	4.7	4.7	12.0	10.0	7.5	10.7
65+	100%	5.0	8.0	5.5	16.8	1.3	6.5	.8	3.2	4.4	4.8	13.1	10.9	8.2	11.7

Columns may not add to State due to rounding.
SOURCE: U.S. Dept. of Commerce, Bureau of the Census

TABLE 4
POPULATION OF VERMONT COUNTIES
1970, 1980, 1990

AREA	1970 1/	1980 1/	1990 1/	Compound Annual Growth Rate/2 1970-80	1980-90
VERMONT	444,732	511,456	562,758	1.4%	1.0%
Addison County	24,266	29,406	32,953	1.9%	1.1%
Bennington County	29,282	33,345	35,845	1.3%	.7%
Caledonia County	22,789	25,808	27,846	1.3%	.8%
Chittenden County	99,131	115,534	131,761	1.5%	1.3%
Essex County	5,416	6,313	6,405	1.5%	.1%
Franklin County	31,282	34,788	39,980	1.1%	1.4%
Grand Isle County	3,574	4,613	5,318	2.6%	1.4%
Lamoille County	13,309	16,767	19,735	2.3%	1.6%
Orange County	17,676	22,739	26,149	2.6%	1.4%
Orleans County	20,153	23,440	24,053	1.5%	.3%
Rutland County	52,637	58,347	62,142	1.0%	.6%
Washington County	47,659	52,393	54,928	1.0%	.5%
Windham County	33,476	36,933	41,588	1.0%	1.2%
Windsor County	44,082	51,030	54,055	1.5%	.6%

NOTES:
1/ U.S. Department of Commerce, Bureau of the Census
2/ See Glossary for definition.

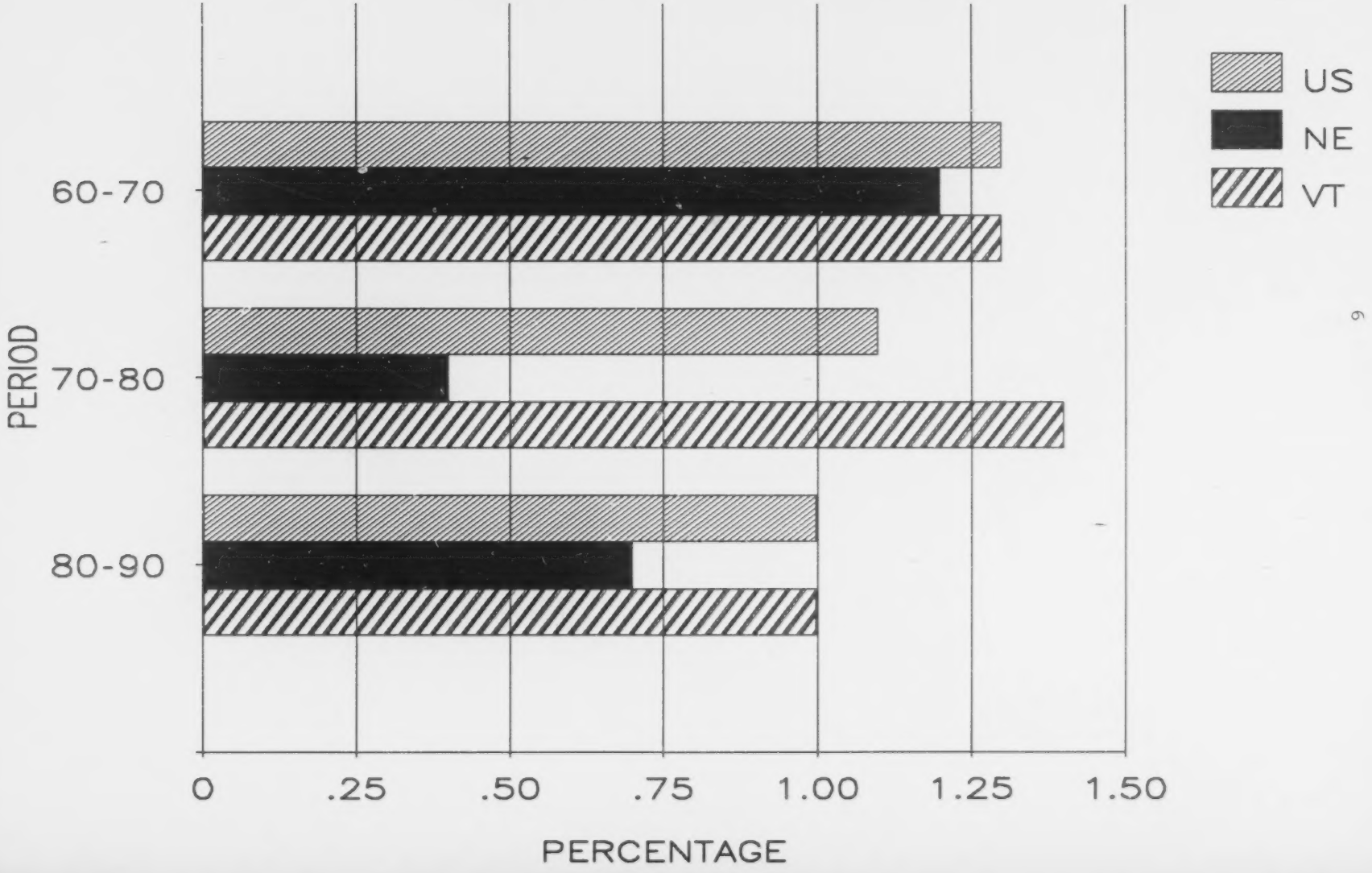
TABLE 5
POPULATION OF VERMONT LABOR MARKET AREAS
1970, 1980, 1990

AREA	1970 1/	1980 1/	1990/1	Compound Annual Growth Rate/2 1970-80	1980-90
VERMONT	444,732	511,456	562,758	1.4%	1.0%
Barre-Montpelier	64,157	73,040	81,083	1.3%	1.1%
Bennington	29,282	33,345	35,845	1.3%	.7%
Brattleboro	24,265	26,315	30,406	.8%	1.5%
Burlington	100,808	117,960	131,441	1.6%	1.1%
Middlebury	23,728	28,784	32,304	2.0%	1.2%
Morrisville	13,309	16,767	19,735	2.3%	1.6%
Newport	23,058	26,782	27,384	1.5%	.2%
Rutland	52,637	58,347	62,142	1.0%	.6%
St. Albans	33,178	36,975	43,038	1.1%	1.5%
St. Johnsbury	23,805	27,112	29,000	1.3%	.7%
Springfield	33,621	36,554	36,194	.8%	-.1%
White River Jct.	22,884	29,475	34,186	2.6%	1.5%

NOTES:
1/ U.S. Department of Commerce, Bureau of the Census
2/ See Glossary for definition.

CHART 1

COMPOUND GROWTH RATES OF POPULATION UNITED STATES,NEW ENGLAND,VERMONT 1960-70, 70-80, 80-90



II. INCOME

The per capita personal income for Vermont in 1990 was $17,436. This figure was 93.3% of the national figure. The progress of the state's economic situation can be seen by the movement towards the national PCI since 1977, when Vermont's PCI was only 84.3% of the national level.

A somewhat different picture is shown by Table 7 which shows that annual average wages covered by unemployment insurance in 1989 was only 85% of the national average, 8 points lower than the PCI percentage for the year.This discrepancy is influenced by Vermont's higher relative share of proprietor's income and income from dividends, interest, and rent as shown in the chart comparing the composition of personal income in the state, region, and nation. Therefore, the difference between Vermont's relative standing in these two series would seem to indicate that the state's business owners and investors are contributing relatively more to the state's improving income picture than are wage earners. Another indicator of the improving income situation in Vermont is the decreasing share of total income contributed by transfer payments. Transfer payments consist of pensions, unemployment insurance payments, welfare payments, and other payments to persons for which they do not render current service. An important part of Vermont's steady movement towards the national average in Per Capita Income is the rising labor force participation rates of females. As the two income family becomes increasingly common the number of individuals with earned income has a positive impact on an area's PCI.

Table 8 shows the changes in per capita income for the state's counties during the 1984-89 period. Addison, Chittenden, Grand Isle, and Orange show the highest rates of growth. The economic strength of the Burlington area contributed to the excellent income growth of the first three counties. The strong showing of Orange is rather surprising and arises from the county's strong population growth, and possibly it's high rate of residents commuting to nearby New Hampshire communities. The slowest income growth is in the northeast kingdom counties of Caledonia, Essex, and Franklin. This area has historically lagged behind the rest of the state in economic performance.

The 5.4% rise in manufacturing production worker's hourly earnings in 1990, shown in Table 9, indicates that these workers' wages matched inflation. An important factor in the wage advance is the layoff of less senior workers with lower wages, who are generally the first to experience layoffs, resulting in a relatively higher paid work force.The chart showing real wages (inflation adjusted) for all Vermonters covered by unemployment insurance, which includes nearly all salaried workers, shows excellent growth over past trends. After bottoming out in 1982 steady increases are evident.

TABLE 6
PER CAPITA INCOME
VERMONT AND UNITED STATES
1970 - 1990

	VERMONT	U.S.	VT % OF U.S.
1970	$3,604	$4,051	89.0%
1971	$3,827	$4,296	89.1%
1972	$4,142	$4,665	88.8%
1973	$4,518	$5,182	87.2%
1974	$4,852	$5,658	85.8%
1975	$5,179	$6,073	85.3%
1976	$5,709	$6,651	85.8%
1977	$6,151	$7,294	84.3%
1978	$7,005	$8,136	86.1%
1979	$7,786	$9,033	86.2%
1980	$8,578	$9,919	86.5%
1981	$9,564	$10,949	87.4%
1982	$10,110	$11,481	88.1%
1983	$10,638	$12,098	87.9%
1984	$11,549	$13,114	88.1%
1985	$12,373	$13,896	89.0%
1986	$13,233	$14,597	90.7%
1987	$14,292	$15,424	92.7%
1988	$15,374	$16,511	93.1%
1989	$16,496	$17,594	93.8%
1990	$17,436	$18,685	93.3%

SOURCE: U.S. DEPT. OF COMMERCE, BUREAU OF ECONOMIC ANALYSIS

TABLE 7
UI COVERED WAGES-PRIVATE INDUSTRY
VERMONT AND UNITED STATES
ANNUAL AVERAGES 1977 - 1990

	VERMONT	U.S.	VT % OF U.S.
1977	$9,199	$11,278	81.6%
1978	$9,936	$12,082	82.2%
1979	$10,829	$13,125	82.5%
1980	$11,840	$14,359	82.5%
1981	$12,792	$15,654	81.7%
1982	$13,585	$16,644	81.6%
1983	$14,469	$17,416	83.1%
1984	$15,213	$18,178	83.7%
1985	$15,767	$18,974	83.1%
1986	$16,666	$19,746	84.4%
1987	$17,433	$20,621	84.5%
1988	$18,398	$21,649	85.0%
1989	$19,212	$22,568	85.1%
1990	$20,234	N/A	N/A

SOURCES: EMPLOYMENT AND WAGES, U.S. DEPT. OF LABOR, VT. DEPT. OF EMP. AND TRAINING

TABLE 8
PER CAPITA INCOME
US, VERMONT, AND COUNTIES
1984-1989

	1984	1985	1986	1987	1988	1989	AVG ANN GRTH 84-88	% CHG. 88-89
US	$13,114	$13,896	$14,597	$15,424	$16,511	$17,594	4.7%	6.2%
VT	$11,549	$12,373	$13,233	$14,292	$15,374	$16,496	5.9%	6.8%
ADDISON	$9,983	$10,707	$11,796	$12,580	$13,522	$14,547	6.3%	7.0%
BENNINGTON	$12,754	$13,455	$14,301	$15,484	$16,728	$18,124	5.6%	7.7%
CALEDONIA	$9,834	$10,508	$11,033	$11,806	$12,663	$13,597	5.2%	6.9%
CHITTENDEN	$12,971	$14,111	$15,068	$16,317	$17,627	$18,937	6.3%	6.9%
ESSEX	$8,287	$8,732	$9,215	$9,743	$10,128	$10,844	4.1%	6.6%
FRANKLIN	$10,050	$10,655	$11,308	$12,093	$12,945	$13,916	5.2%	7.0%
GRAND ISLE	$10,567	$11,722	$12,575	$13,111	$14,431	$15,460	6.4%	6.7%
LAMOILLE	$10,778	$11,277	$12,204	$13,327	$14,491	$15,511	6.1%	6.6%
ORANGE	$10,438	$11,237	$12,103	$13,164	$14,477	$15,545	6.8%	6.9%
ORLEANS	$9,028	$9,463	$10,091	$10,743	$11,606	$12,612	5.2%	8.0%
RUTLAND	$11,685	$12,571	$13,472	$14,437	$15,449	$16,363	5.7%	5.6%
WASHINGTON	$11,441	$12,170	$13,079	$14,211	$15,214	$16,385	5.9%	7.1%
WINDHAM	$12,278	$13,045	$14,256	$15,609	$16,607	$17,765	6.2%	6.5%
WINDSOR	$12,149	$12,938	$13,615	$14,762	$15,806	$16,868	5.4%	6.3%

SOURCE: U.S. DEPT. OF COMMERCE,BUREAU OF ECONOMIC ANALYSIS

TABLE 9
AVERAGE HOURLY EARNINGS FOR MANUFACTURING PRODUCTION WORKERS
VERMONT 1989 AND 1990

	1989	1990	PERCENT CHANGE
TOTAL	$9.99	$10.53	5.4%
DURABLE GOODS	$10.42	$10.92	4.8%
LUMBER AND WOODS PRODUCTS	$7.65	$7.66	.1%
FURNITURE & FIXTURES	$8.81	$9.12	3.5%
STONE CLAY & GLASS	$9.44	$10.41	10.3%
FABRICATED METALS	$11.59	$10.42	-10.1%
INDUSTRIAL MACHINERY	$10.40	$10.76	3.5%
ELECTRONIC EQUIPMENT	$11.16	$12.04	7.9%
NONDURABLE GOODS	$9.04	$9.69	7.2%
FOOD	$8.72	$8.91	2.2%
APPAREL	$6.40	$6.70	4.7%
PAPER	$10.25	$10.75	4.9%
PRINTING & PUBLISHING	$9.99	$10.85	8.6%
RUBBER & MISC. PLASTICS	$6.97	$7.39	6.0%

SOURCE: VERMONT DEPARTMENT OF EMPLOYMENT & TRAINING IN COOPERATION WITH THE BUREAU OF LABOR STATISTICS, U.S. DEPT. OF LABOR

CHART 2

PER CAPITA INCOME AS A PERCENTAGE OF U.S. AVERAGE
VERMONT COUNTIES
1985-1989

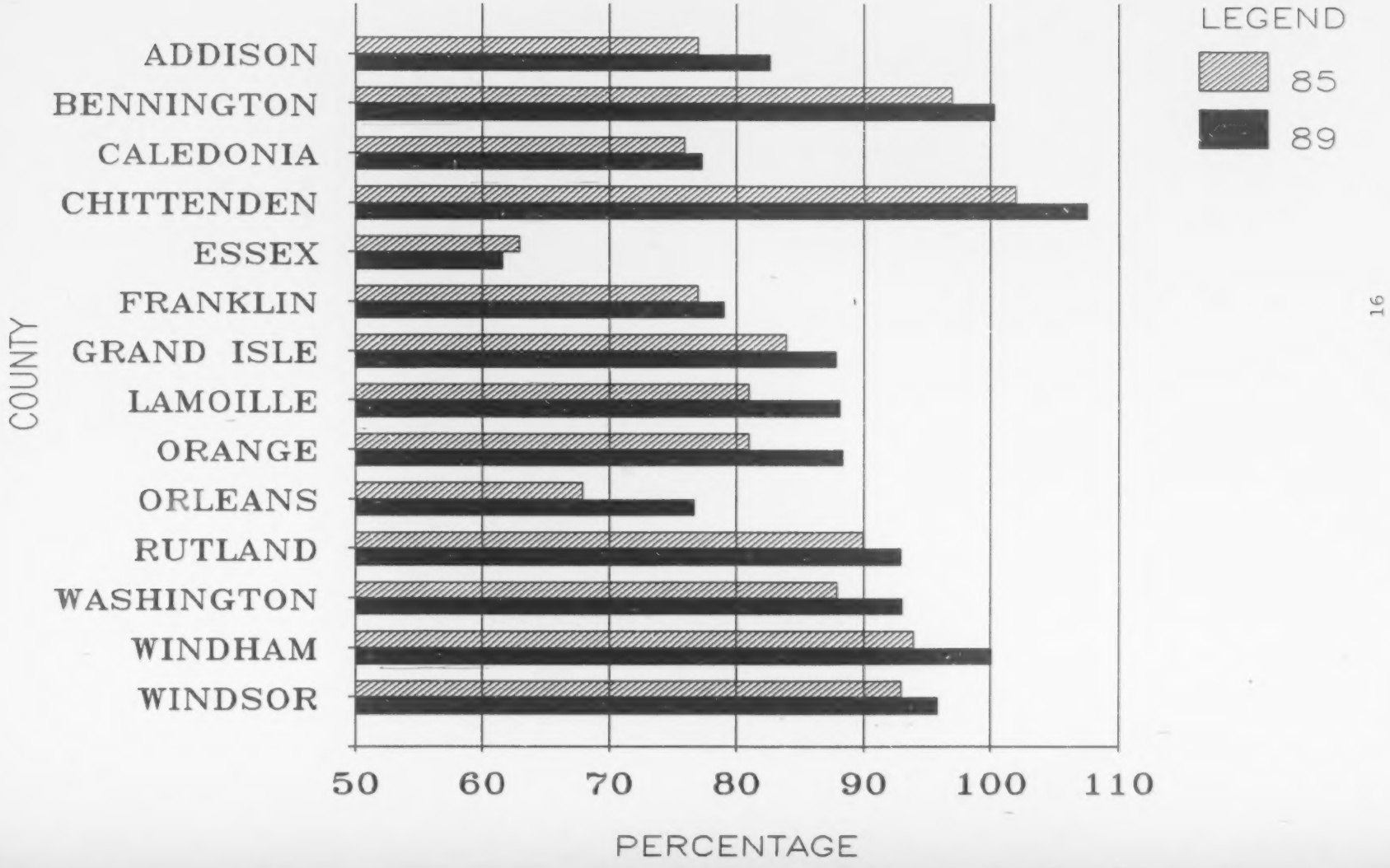


CHART 3

PER CAPITA INCOME
US, NEW ENGLAND, AND VERMONT
HISTORICAL DATA 1981-1990
PROJECTED TREND LINE TO 1992

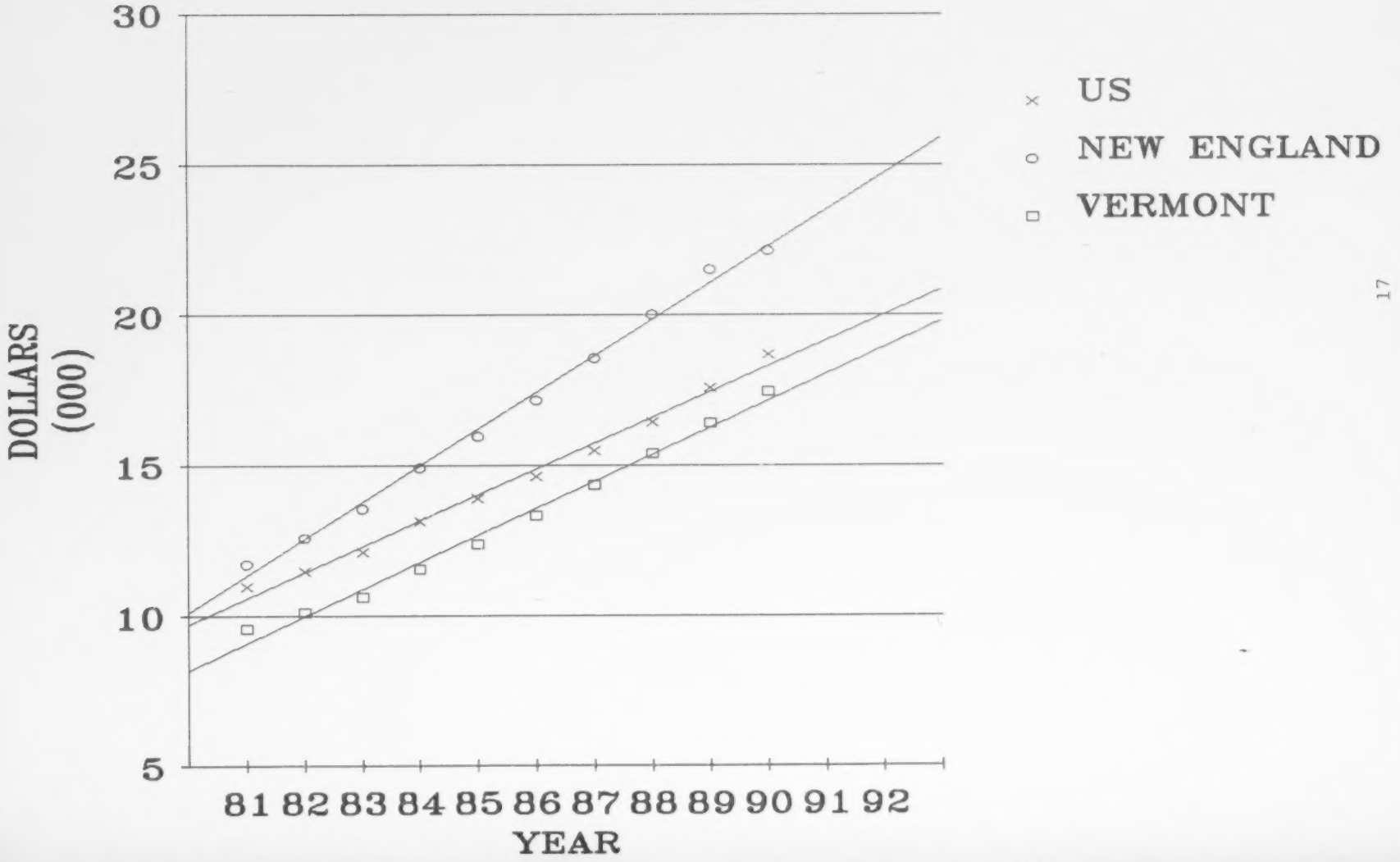


CHART 4

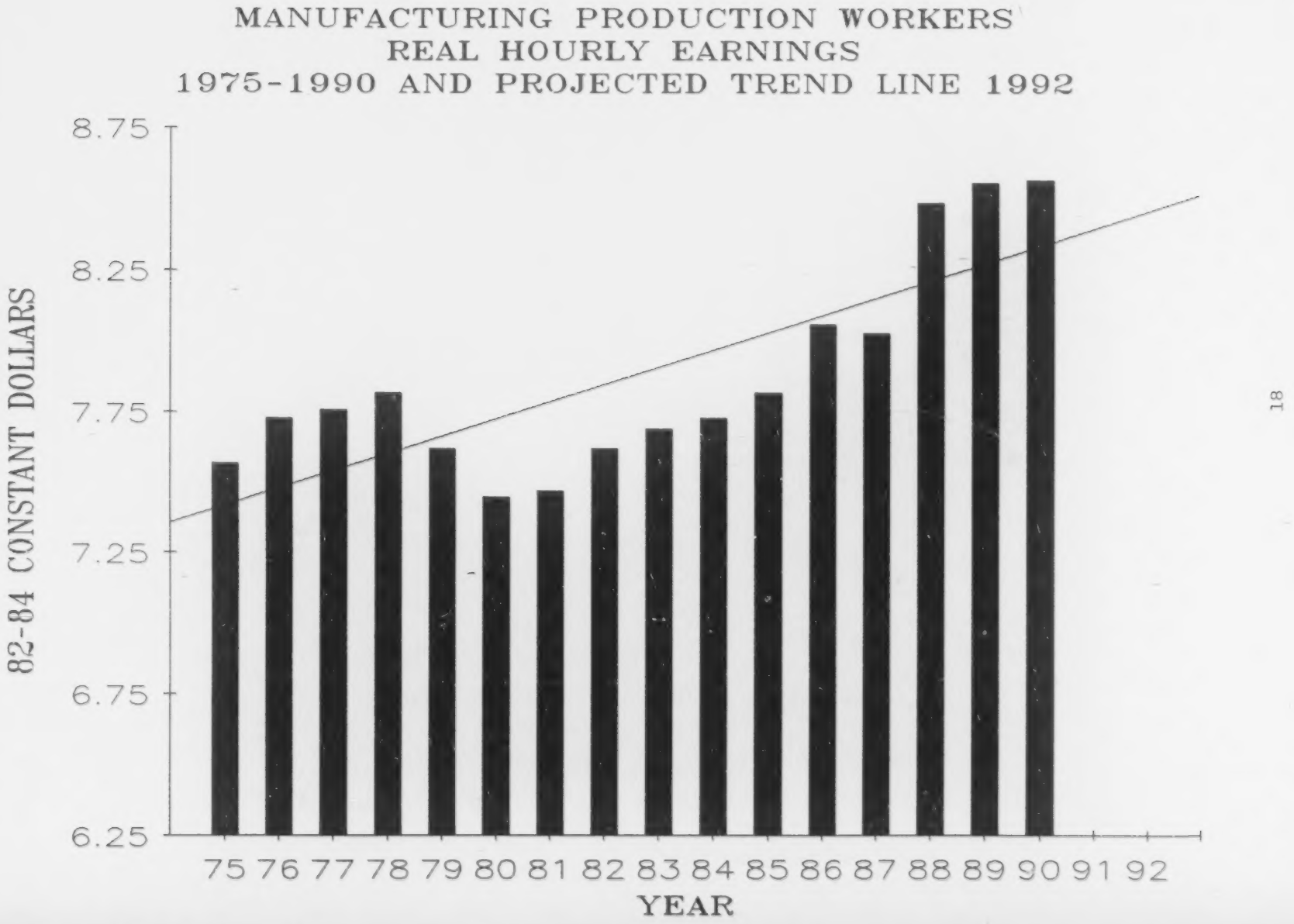

MANUFACTURING PRODUCTION WORKERS
REAL HOURLY EARNINGS
1975-1990 AND PROJECTED TREND LINE 1992
82-84 CONSTANT DOLLARS
8.75
8.25
7.75
7.25
6.75
6.25
75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92
YEAR

CHART 5

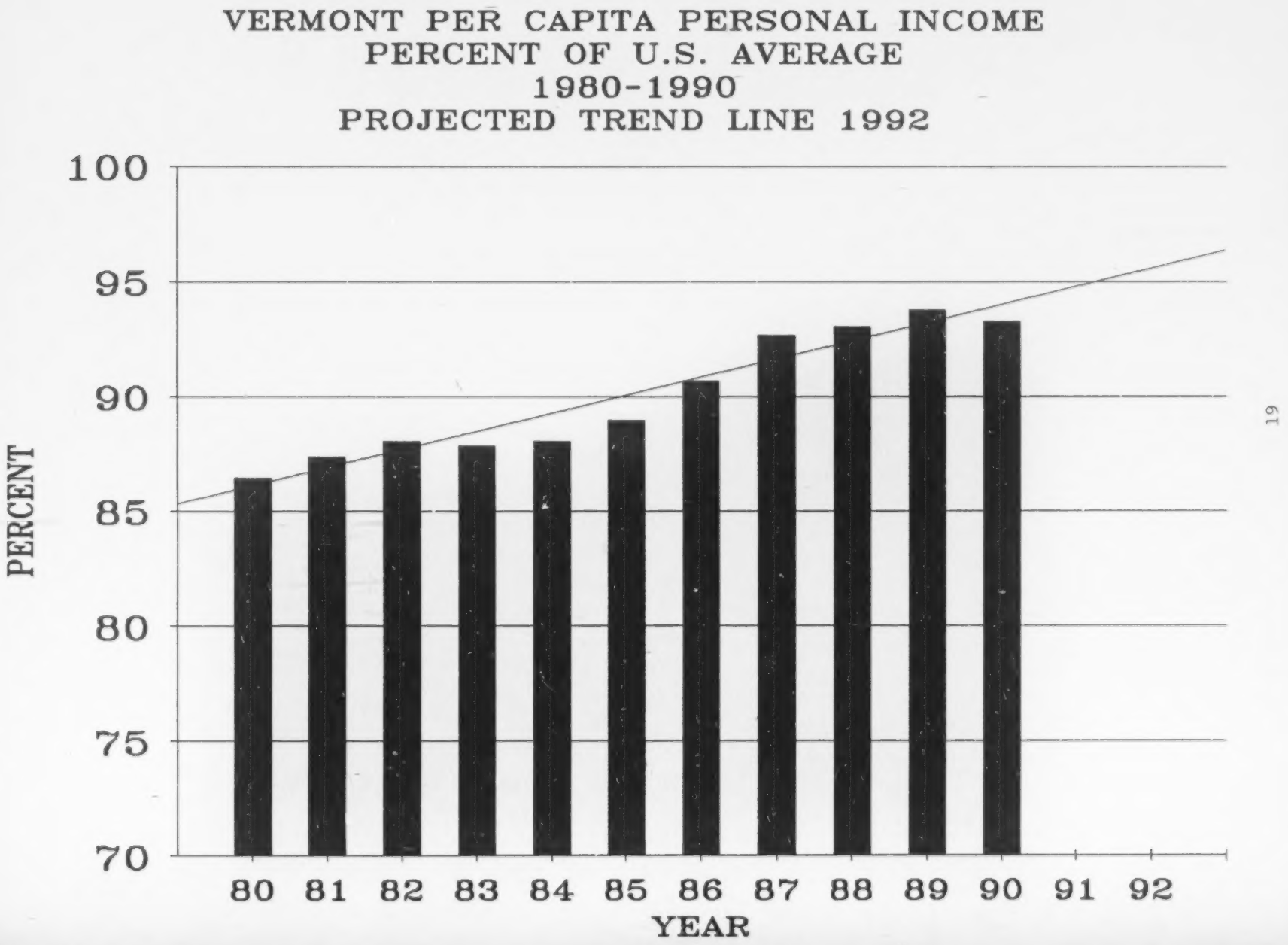

VERMONT PER CAPITA PERSONAL INCOME
PERCENT OF U.S. AVERAGE
1980-1990
PROJECTED TREND LINE 1992
100
95
90
85
80
75
70
PERCENT
80 81 82 83 84 85 86 87 88 89 90 91 92
YEAR

CHART 6

COMPONENTS OF NON-FARM PERSONAL INCOME UNITED STATES, NEW ENGLAND, AND VERMONT 1990

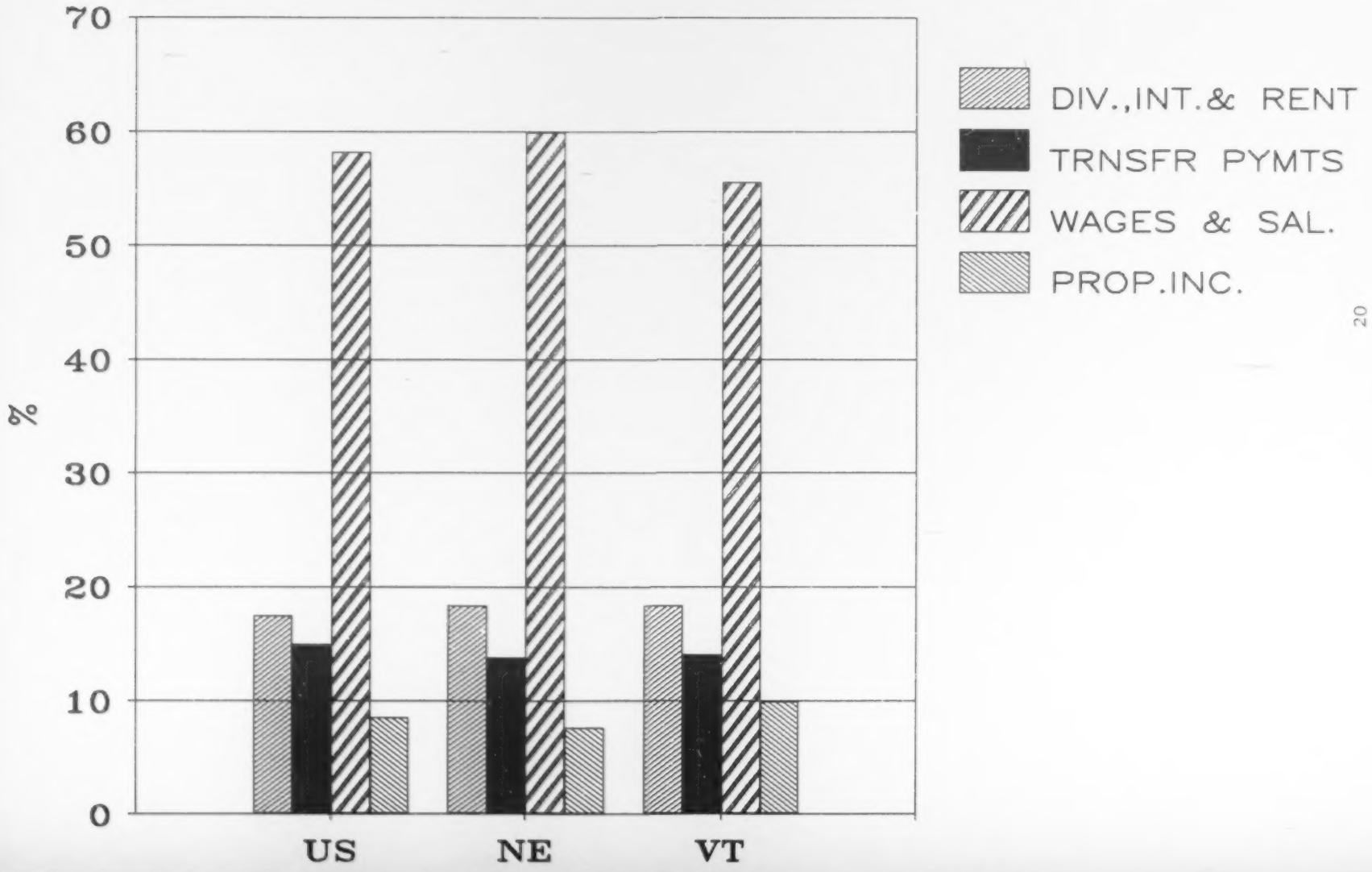


CHART 7

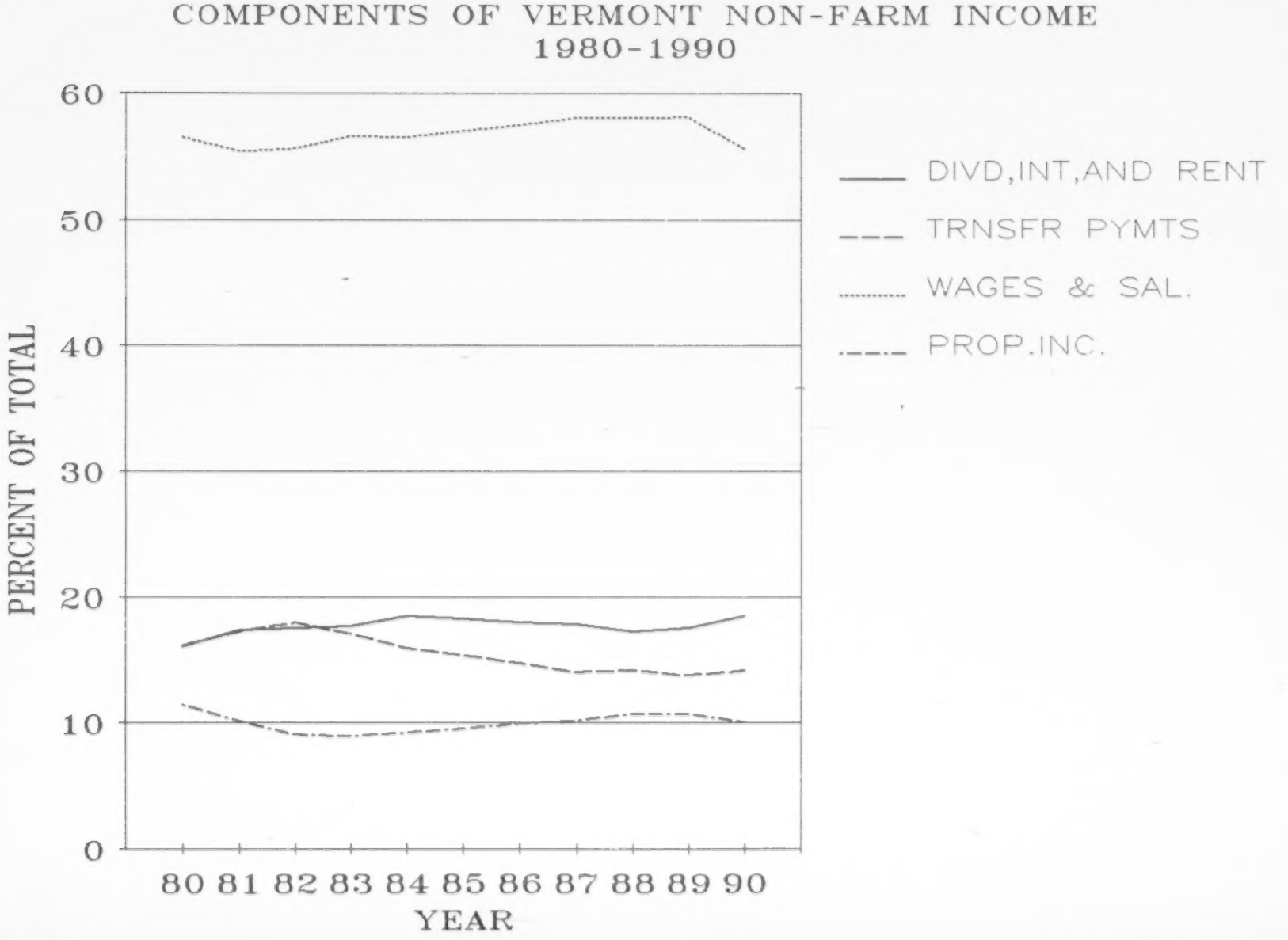

COMPONENTS OF VERMONT NON-FARM INCOME
1980-1990
PERCENT OF TOTAL
60
50
40
30
20
10
0
80 81 82 83 84 85 86 87 88 89 90
YEAR
DIVD,INT,AND RENT
TRNSFR PYMTS
WAGES & SAL.
PROP.INC.

CHART 8

ANNUAL AVERAGE COVERED WAGES
PERCENT OF STATE AVERAGE
BY COUNTY
1980 & 1990

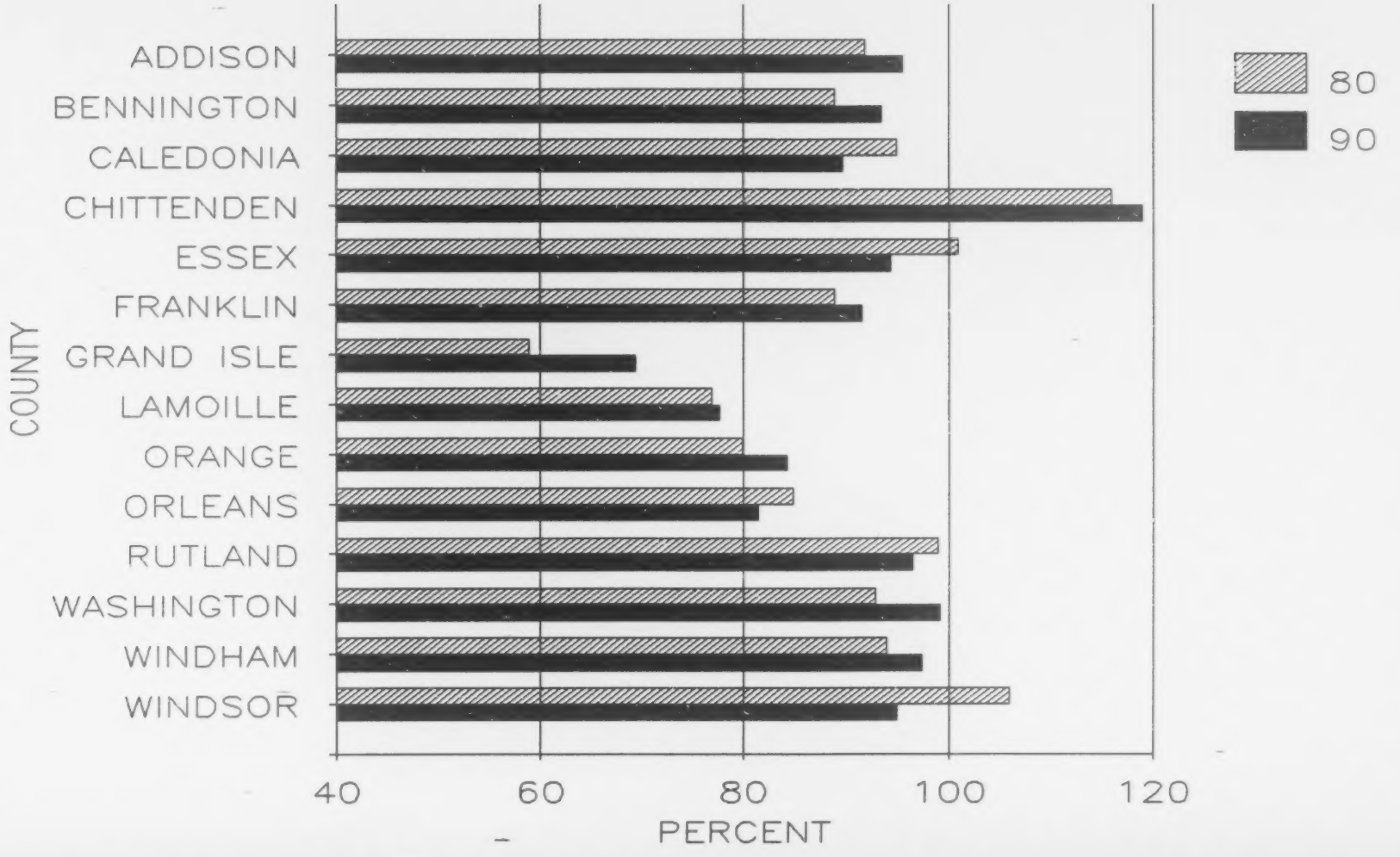


CHART 9

REAL UI COVERED WAGES PRIVATE INDUSTRY
ANNUAL AVERAGES 1975-90 & PROJECTED TREND TO 1992
VERMONT

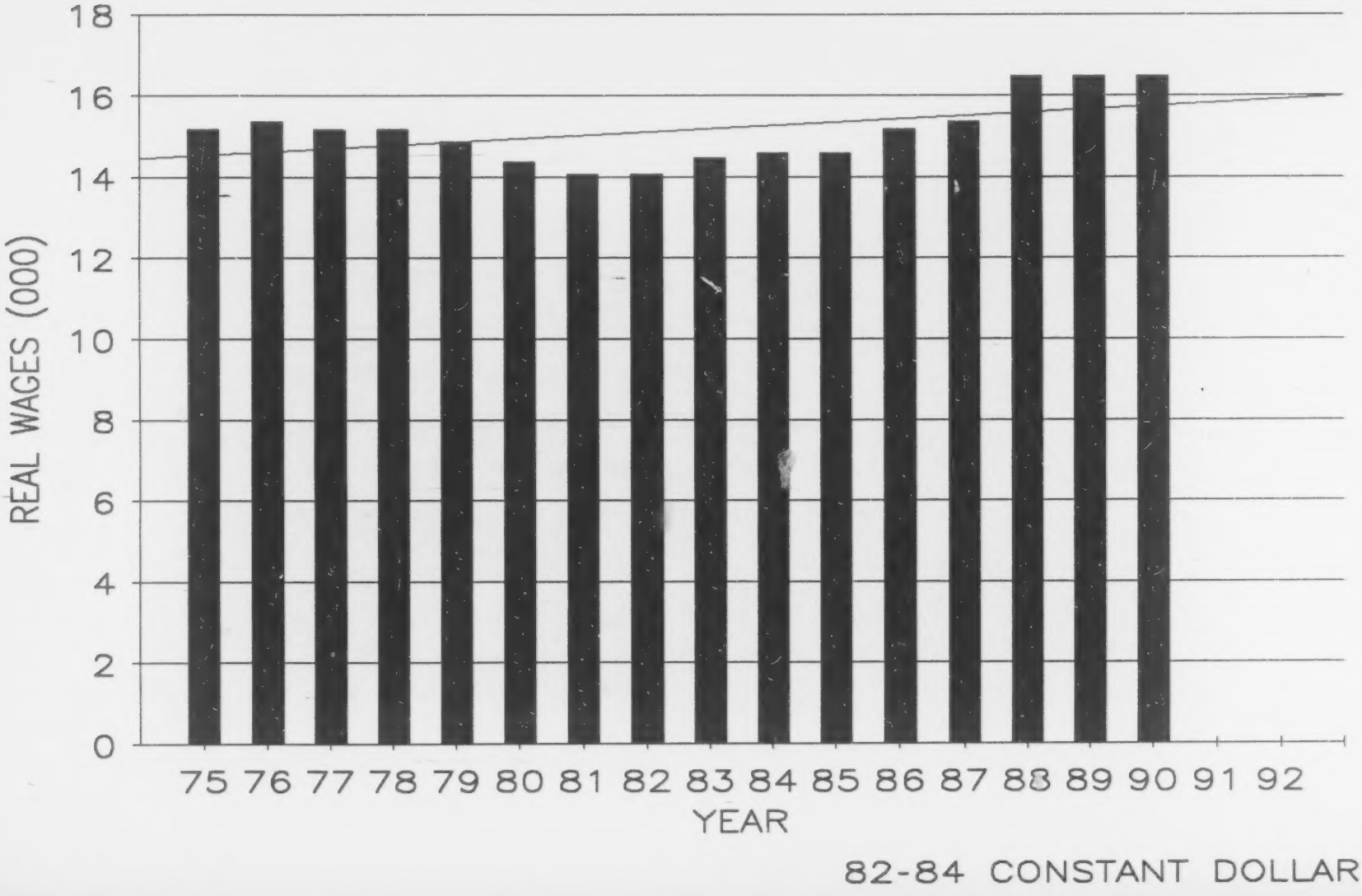
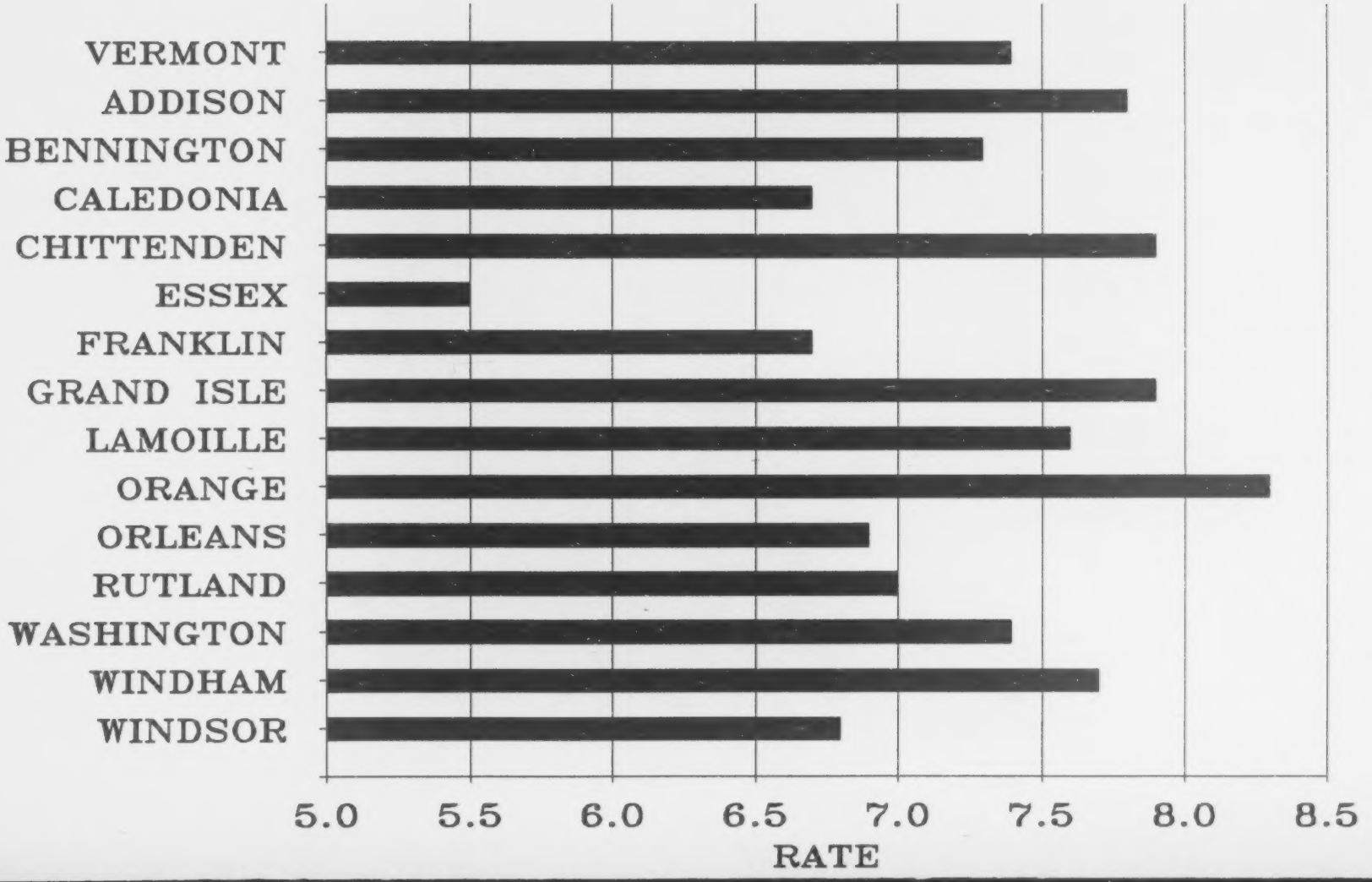


CHART 10

COMPOUND GROWTH RATES
PER CAPITA PERSONAL INCOME
VERMONT COUNTIES
1984-1989



III. EMPLOYMENT TRENDS

Nonagricultural wage and salary employment averaged 257,550 in 1990, a decrease of 4,150 jobs or 1.6% below the 1989 annual average. This was among the largest declines on a percentage basis in the past 30 years and compares with the 4% annual average growth in the 1984-88.

The Goods Producing sector experienced a 8.4% decline, the first since the recessionary period of 1982-1983, and greater than the drop of almost 6% in the 1981-82 recession. Manufacturing declined by 2,550 jobs in 1990 with Durable Goods accounting for 2,150 of the total. All industries in this group showed declines. The hardest hit were Fabricated Metals,which was effected by defense spending cutbacks, and the Stone, Clay & Glass group which was hurt by diminished construction activity. Both Machine sectors were also affected, to a somewhat lesser degree, by defense cuts. Lumber and Furniture experienced losses primarily caused by the nationwide housing slump.

The Non-durable manufacturing sector was less affected by the recession than the durables as a modest 400 jobs were lost which represents a decline of 2.8%. The Food industry was the only major manufacturing industry during 1990 to actually gain employment as vigorous activity in dairy products and specialty food processors resulted in 300 new jobs. Apparel's long-term decline continued as plant closings contributed to a loss of 150. The other industries in this sector suffered losses of a degree expected in a recession.

Vermont's Construction industry during 1990 suffered severe losses. The diminished building activity which typically accompanies a recession was amplified by the deterioration of the regional real estate market. The state's building activity is not only influenced by local activity but also by the unfavorable economic conditions in southern New England.

The state's Mining & Quarrying industry saw a small gain of 50 jobs during the year.

The Service Producing sector of the economy, although growing at an anemic rate of .7%, outperformed the goods producers as it has for the past ten years, except for the 1983-1984 period.

The Transportation and Public utilities sector employment gain is somewhat deceptive as the state experienced a large telephone company labor market dispute in the fall of 1989 resulting in an artificially low annual average in the Public Utilities industry. Both transportation services and trucking posted advances.

The Trade industry lost over 2,000 jobs during 1990 as both retail and wholesale firms were hit by the recession. The wholesale trade industry fared somewhat worse as these firms operate on a regional basis and reflect the recession's somewhat greater impact on the New England region than on Vermont. The pattern of retail trade losses reflect the general forces at work in a recession as firms that deal in more costly purchases, such as auto dealers and furniture stores, did relatively worse than businesses such as food stores and restaurants.

Finance, Insurance, and Real Estate lost 300 which was spread among all industries with real estate firms being especially hard hit by the large drop in housing sales.

Services employment growth, propelled by Health Services, which added the highest number of jobs of any industry, managed a 2.2% gain. That was less than half it's average rate from 1980-89 but was quite healthy in the general economic climate. Hotels and motels managed a small increase as better weather and the tendency of New England vacationers to stay closer to home during economic hard times were factors contributing to an additional 350 jobs in this industry.

The gain of 1,650 in government can mostly be ascribed to federal hiring for the 1990 Census. Gains were also seen in local governments as budget problems in 1989 improved somewhat during the past year.

TABLE 10
AVERAGE ESTIMATED NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT
VERMONT 1989-1990
EMPLOYMENT

	1980	1989	1990	AVG ANN GROWTH 1980-89	% CHG. 89-90
TOTAL	200,100	261,700	257,550	3.4%	-1.6%
GOODS PRODUCING	61,700	66,950	61,350	1.0%	-8.4%
MANUFACTURING	50,900	48,600	46,050	-.6%	-5.2%
DURABLE GOODS	37,050	34,150	32,000	-1.0%	-6.3%
LUMBER & WOOD PRODUCTS	3,750	3,650	3,450	-.3%	-5.5%
FURNITURE & FIXTURES	2,650	2,150	2,000	-2.6%	-7.0%
STONE,CLAY, & GLASS	2,350	2,700	2,450	1.8%	-9.3%
FABRICATED METALS	3,700	2,950	2,500	-2.8%	-15.3%
MACHINERY,EXC.ELECTRICAL	7,300	4,550	4,350	-5.7%	-4.4%
ELECTRICAL MACHINERY	11,200	11,450	10,850	.3%	-5.2%
NONDURABLE GOODS	13,850	14,450	14,050	.5%	-2.8%
FOOD	2,350	3,250	3,550	4.1%	9.2%
APPAREL	1,650	1,050	900	-5.5%	-14.3%
PAPER	2,700	2,400	2,250	-1.5%	-6.3%
PRINTING & PUBLISHING	3,900	4,950	4,850	3.0%	-2.0%
RUBBER & PLASTICS	1,600	1,150	1,050	-4.0%	-8.7%
CONTRACT CONSTRUCTION	10,100	17,850	14,750	7.4%	-17.4%
MINING\QUARRYING	700	500	550	-4.1%	10.0%
SERVICE PRODUCING	138,400	194,750	196,200	4.4%	.7%
TRNSPRTATN.& PUB.UTIL.	8,750	10,250	11,000	2.0%	7.3%
TRANSPORTATION	4,550	6,200	6,450	3.9%	4.0%
PUBLIC UTILITIES	4,200	4,050	4,550	-.5%	12.3%
TRADE	40,750	62,000	59,950	5.4%	-3.3%
WHOLESALE	7,500	12,050	11,550	6.1%	-4.1%
RETAIL	33,250	49,950	48,400	5.2%	-3.1%
FIN.,INS., & REAL ESTATE	8,050	12,750	12,450	5.9%	-2.4%
DEPOSITORY INSTITUTIONS	N/A	5,550	5,450	N\A	-1.8%
INSURANCE CARRIERS	N/A	2,750	2,650	N\A	-3.6%
REAL ESTATE	N/A	2,150	1,950	N\A	-9.3%
SERVICES & MISCELLANEOUS	43,850	67,650	69,150	5.6%	2.2%
HOTELS,ETC	6,850	11,100	11,450	6.2%	3.2%
HEALTH SERVICES	14,400	20,050	20,850	4.2%	4.0%
HOSPITALS	7,350	8,750	9,050	2.2%	3.4%
BUSINESS SERVICES	N/A	5,350	5,250	N\A	-1.9%
EDUCATION SERVICES	N/A	9,200	9,200	N\A	.0%
TOTAL GOVERNMENT	37,000	41,950	43,600	1.6%	3.9%
FEDERAL	4,550	5,350	5,900	2.0%	10.3%
STATE	13,550	14,750	14,900	1.1%	1.0%
STATE COLLEGES	5,700	5,850	5,950	.3%	1.7%
LOCAL	18,900	21,850	22,800	1.8%	4.3%
SCHOOLS	N/A	16,100	16,750	N\A	4.0%

SOURCE: VERMONT DEPARTMENT OF EMPLOYMENT AND TRAINING IN COOPERATION WITH U.S. BLS

CHART 11

SHARE OF TOTAL NON AG EMPLOYMENT
VT AND US
ANNUAL AVERAGE 1990

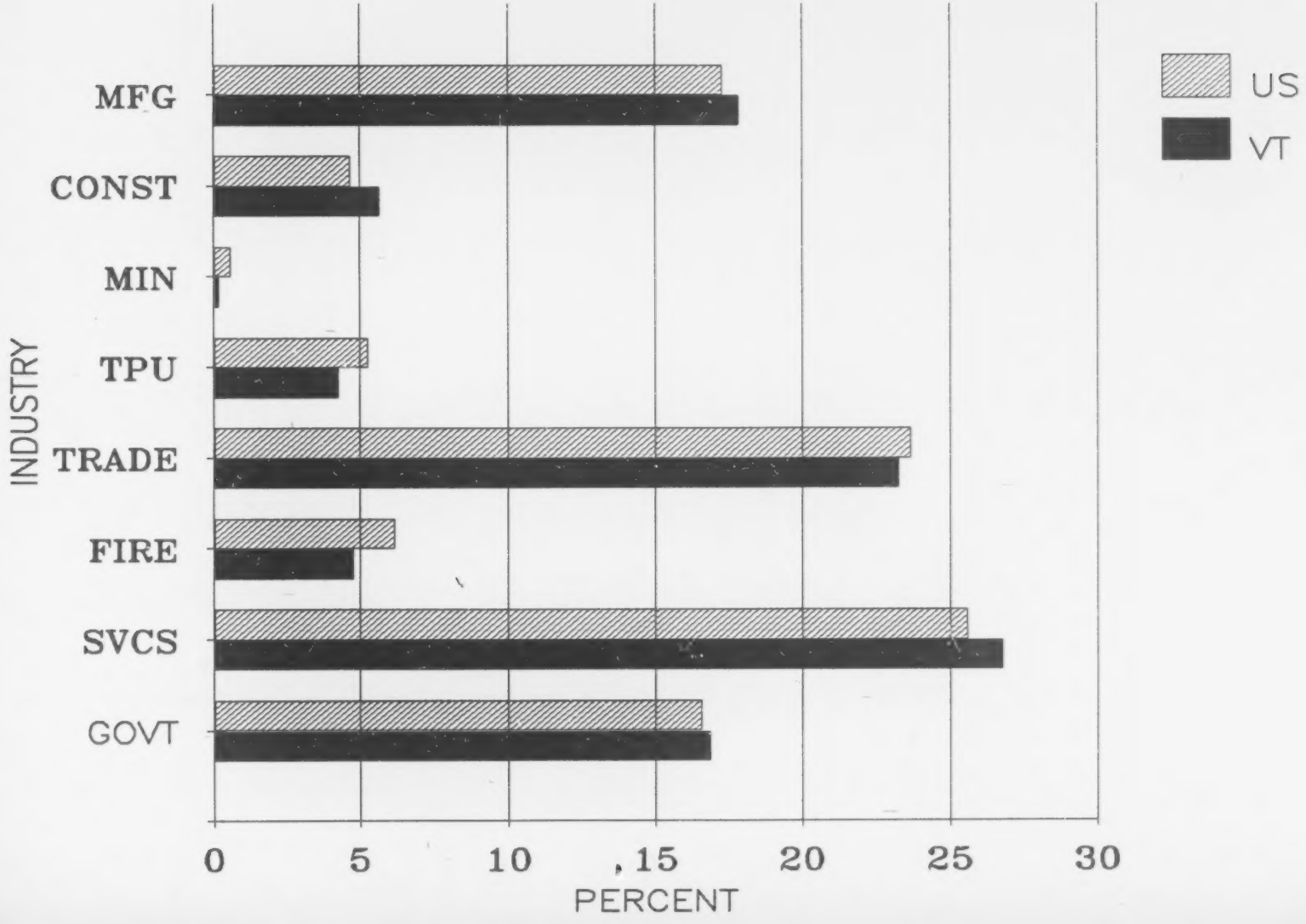


CHART 12

GROWTH RATES
VERMONT INDUSTRIES
COMPOUND GROWTH 1980-89 & 1989-90 CHANGE

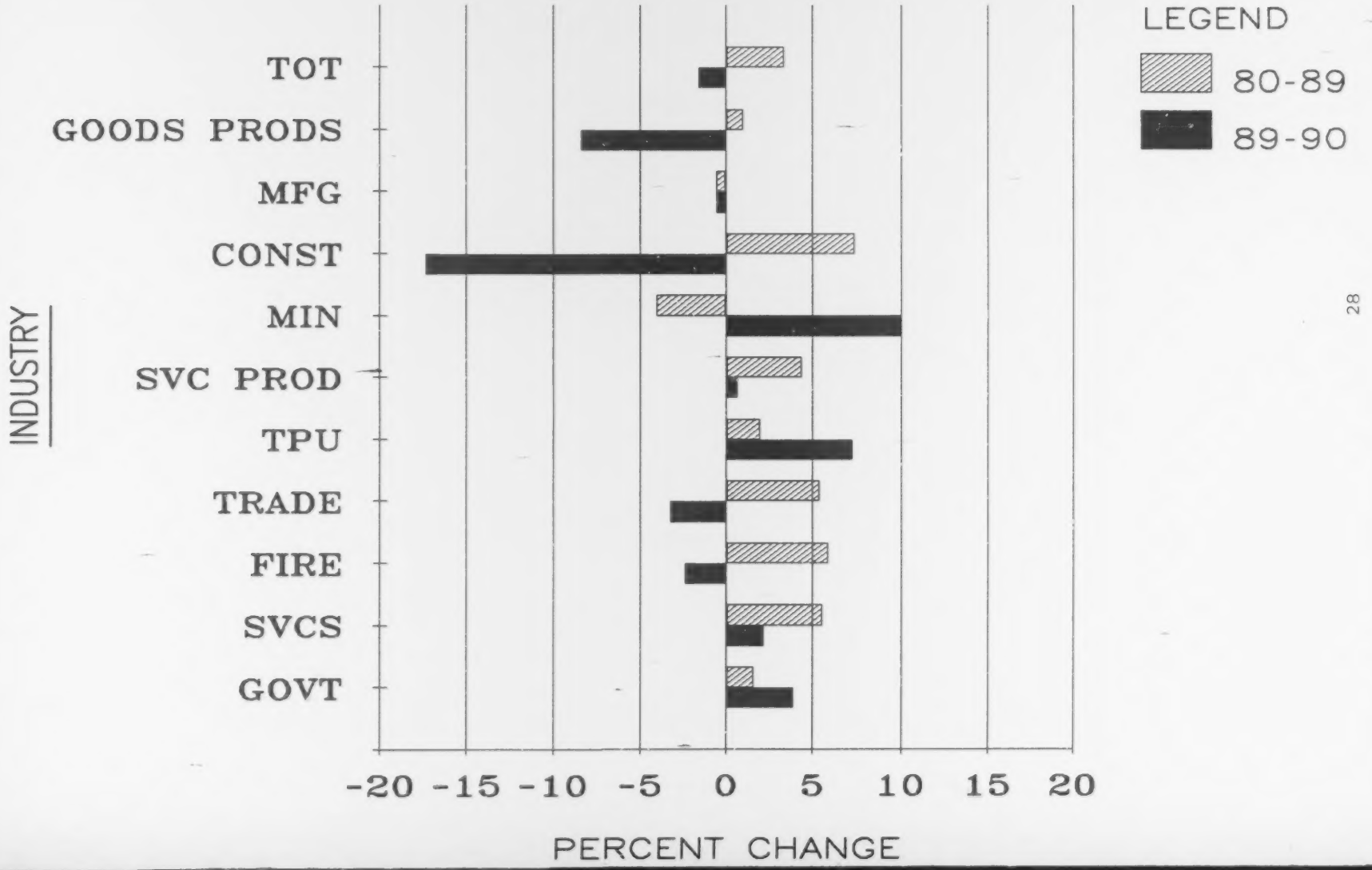
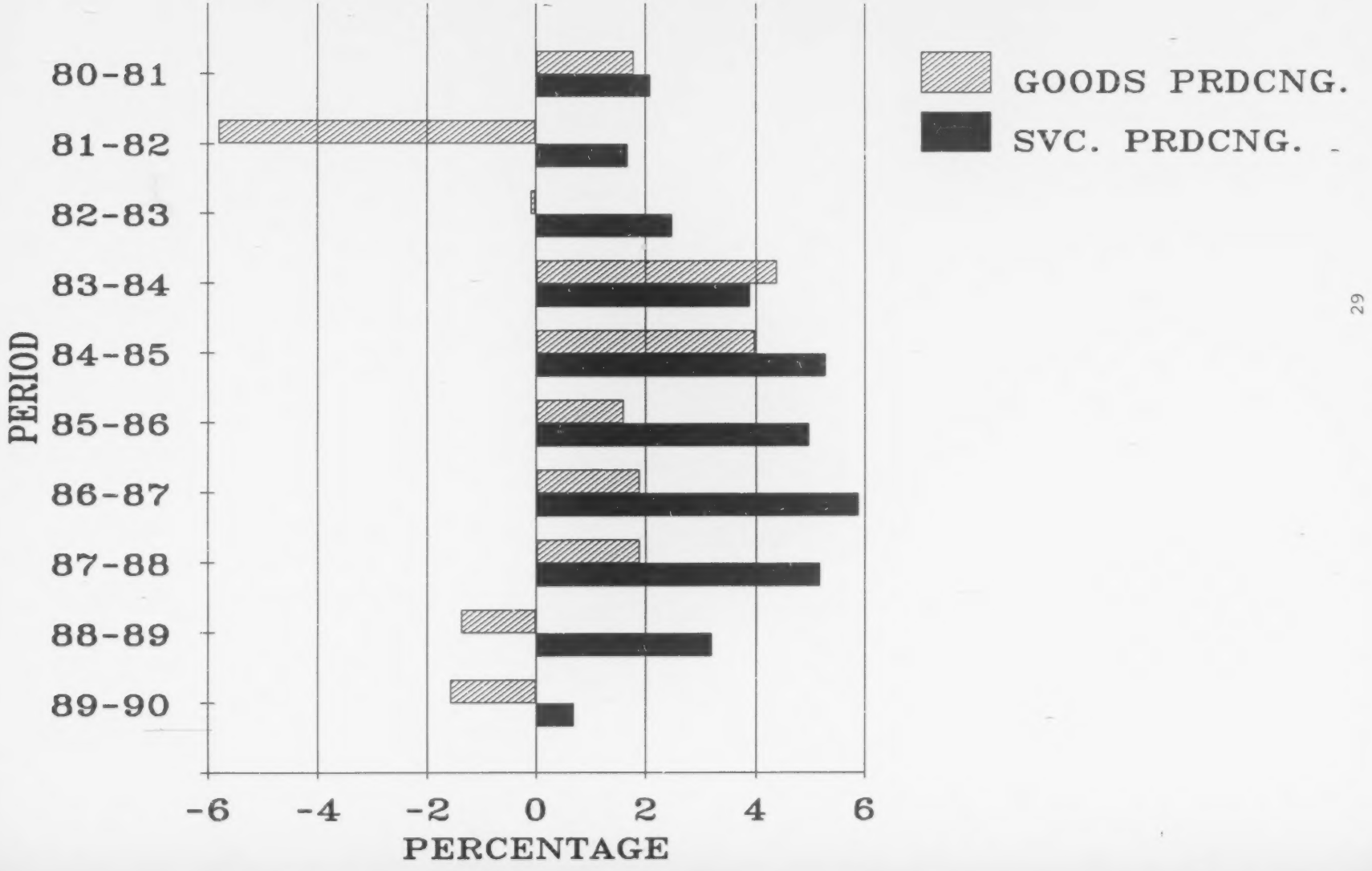


CHART 13

AVERAGE ANNUAL EMPLOYMENT GROWTH
GOODS PRODUCING AND SERVICE PRODUCING INDUSTRIES
VERMONT 1980-1990



IV. LABOR FORCE TRENDS

Labor Force Developments

The Vermont labor force estimates showed an increase of 69,000 residents or 2.1 percent average annual growth from 1978 to 1990. The latest increase to 309,000 represented a 0.7 percent increase from the previous year, indicating significantly slower than average expansion of the labor force as job growth ceased in 1990. A slower growth in the working age population coupled with a leveling off of youth and female participation rates in recent years contributed to the limited growth in the Vermont labor force.

Due to the current recession, teenage labor force (16-19) participation has fallen from 62.8 percent in 1981 to 61.0 percent in 1990 after years of steadily increasing. The teenage participation rates are nearly the same for men and women. During the same time period, the women's participation rate rose from 56.1 percent to 63.6 percent. Men still have the higher participation rate in all age groups. The highest participation rate, as shown on Table 15, is currently in the 35-44 age group.

The gender composition of the labor force remained the same in 1990 as women made up 46.3 percent of the labor force. This is up from 42.8 percent in 1980. The women's share of the labor force has remained relatively unchanged in recent years. Women continue to dominate Service (66.7%) and Administrative Support (81.8%) occupations.

Among the employed the percent in part-time jobs rose sharply to 32.7% for women and to 11.4% for men (see Table 22).

Unemployment Developments

In 1990 Vermont's unemployment statistics worsened. The statewide annual unemployment rate rose to 5.0% and the number of unemployed rose to 15,000. Between 1989 and 1990 all labor market areas and all counties experienced an increase in the number of unemployed and unemployment rates. Newport at 8.7% had the highest unemployment rate again in 1990, and Burlington at 3.3% was the lowest rate among the labor market areas in the state. By county, Chittenden had the lowest unemployment rate at 3.3% and Orleans had the highest rate at 8.6%.

Women went from 54.5% of the number of unemployed in 1989 to 40.0% in 1990. The unemployment rate for women was 4.5% versus 5.4% for men. The major reason for unemployment for men, again this year, is the involuntary loss of their job from layoffs. This year the major reason for female unemployment is evenly split between job loss and trouble in reentering the labor force. The average duration of unemployment for men has gone from 9.9 to 11.1 weeks in 1990, while the female duration went from 7.3 to 11.2 weeks.

In 1990 men had higher unemployment rates than women in all age groups except the 25-34 age group, which was the same for both sexes.

Between 1989 and 1990, the New England rate rose 1.9 percentage points, the United States rate increased 0.2 of a percentage point and Vermont's rate rose by 1.3 percentage points. Table 17 gives the 1978 to 1990 unemployment rates for the United States, New England and Vermont for comparison.

Outlook

The Vermont economic forecast prepared by Jeffrey Carr, Vice President of Economic & Policy Resources Inc. predicts improvement in Vermont's labor force statistics by the end of 1991, following improvement in the national economy.

The forecast for Vermont is for continued weakness with more possible job loss before the recovery gets underway. Job growth is expected to drop about 2 percent in 1991, remain stable in 1992, and then increase by 2 percent in 1993. Both manufacturing and non-manufacturing have experienced job losses in this economic downturn. After years of rapid growth, finance and construction are two sectors that have suffered disproportionately. Neither of these sectors will probably recover as quickly as hoped due to structural changes in the economy. Vermont's annual unemployment rate is forecast to drop from 7.4 percent in 1991 to 6.3 percent in 1993. Throughout the forecast period Vermont's labor force statistics should be worse than the national average, but better than our New England neighbors.

Vermont's population growth is projected to grow at less than 1.0 percent annually through 1993. In terms of personal income, Vermont is predicted to lag behind the national figures through 1993. Other forecast data is shown on Table 11.

All of the above forecasts are heavily dependent on the national economic picture. Any deviation from the expected national forecast would change Vermont's forecast in the same direction.

TABLE 11
VERMONT and NATIONAL ECONOMIC OUTLOOK

	1990	1991	1992	1993
Real GNP(%Change)	1.0	-.1	3.0	2.6
U.S. Consumer Prices(%Change)	5.4	4.2	3.7	3.8
Prime Interest Rate(%)	10.0	8.8	9.8	9.5
Total Consumption(%Change)	.9	.3	1.8	2.0
Current Account Deficit($billion)	99.3	31.1	75.4	90.8
Deficit as % of GNP	1.8	.5	1.3	1.4
Output per Hour(%Change)	-.8	1.1	1.8	.9
Non-Farm Employment(%Change)				
U.S.	1.8	-1.0	1.0	1.7
Vermont	-1.6	-2.7	.1	1.9
Personal Income(%Change)				
U.S.	6.0	3.7	6.0	6.3
Vermont	4.9	2.7	5.1	5.9
Unemployment Rate(%)				
U.S.	5.5	6.8	6.5	6.2
Vermont	4.9	7.4	6.9	6.4

SOURCE: ECONOMIC AND POLICY RESOURCES,INC.
NEW ENGLAND ECONOMIC PROJECT

TABLE 12
VERMONT LABOR FORCE ESTIMATES
ANNUAL AVERAGES
1978-1990

YEAR	CIVILIAN LABOR FORCE	UNEMPLOYED NUMBER	UNEMPLOYED RATE	TOTAL EMPLOYMENT
1978	240,000	14,000	5.9	226,000
1979	245,000	12,000	5.1	232,000
1980	250,000	16,000	6.4	235,000
1981	258,000	15,000	5.7	244,000
1982	264,000	18,000	6.9	246,000
1983	265,000	18,000	6.9	247,000
1984	269,000	14,000	5.2	255,000
1985	278,000	13,000	4.8	265,000
1986	292,000	14,000	4.7	278,000
1987	295,000	11,000	3.6	285,000
1988	299,000	8,000	2.8	291,000
1989	307,000	11,000	3.7	296,000
1990	309,000	15,000	5.0	294,000

For methodology, see Glossary of Terms.

SOURCE: VERMONT DEPARTMENT OF EMPLOYMENT AND TRAINING IN COOPERATION WITH U.S. BLS.

NOTE: LABOR FROCE IS SUM OF EMPLOYED AND UNEMPLOYED; ANY DIFFERENCE IS DUE TO ROUNDING.

TABLE 13
VERMONT LABOR FORCE ESTIMATES
ANNUAL AVERAGES
1990

AGE GROUP	CIVILIAN LABOR FORCE	UNEMPLOYED NUMBER	UNEMPLOYED RATE	TOTAL EMPLOYMENT
TOTAL				
16 - 19	18,000	3,000	14.6	15,000
20 - 24	28,000	3,000	9.3	26,000
25 - 34	85,000	4,000	4.9	81,000
35 - 44	89,000	3,000	3.3	86,000
45 - 54	51,000	2,000	3.4	50,000
55 - 64	29,000	1,000	4.1	28,000
65+	10,000	N/A	N/A	10,000
TOTAL	309,000	15,000	5.0	294,000
WHITE				
16 - 19	18,000	3,000	14.7	15,000
20 - 24	28,000	3,000	9.4	25,000
25 - 34	84,000	4,000	4.9	80,000
35 - 44	88,000	3,000	3.3	85,000
45 - 54	51,000	2,000	3.3	49,000
55 - 64	29,000	1,000	4.1	27,000
65+	10,000	N/A	N/A	10,000
TOTAL	307,000	15,000	5.0	292,000

N/A - Not available
Data may not add due to rounding.

SOURCE: U.S. DEPARTMENT OF LABOR, BUREAU OF LABOR STATISTICS

NOTE: DETAILED DATA FOR AGE GROUPS BEYOND 19 YEARS DO NOT MEET BLS PUBLICATION CRITERIA.

TABLE 14
VERMONT LABOR FORCE BY AGE AND SEX
1990

AGE GROUP	CIVILIAN LABOR FORCE	UNEMPLOYED NUMBER	UNEMPLOYED RATE	TOTAL EMPLOYMENT
TOTAL 16+				
16 - 19	18,000	3,000	14.6 %	15,000
20 - 24	28,000	3,000	9.3	26,000
25 - 34	85,000	4,000	4.9	81,000
35 - 44	89,000	3,000	3.3	86,000
45 - 54	51,000	2,000	3.4	50,000
55 - 64	29,000	1,000	4.1	28,000
65+	10,000	N/A	N/A	10,000
TOTAL	309,000	15,000	5.0	294,000
MALE 16+				
16 - 19	9,000	1,000	15.2	8,000
20 - 24	14,000	2,000	11.0	13,000
25 - 34	46,000	2,000	4.9	44,000
35 - 44	46,000	2,000	3.6	45,000
45 - 54	30,000	1,000	4.0	28,000
55 - 64	16,000	1,000	5.3	15,000
65+	6,000	N/A	N/A	5,000
TOTAL	166,000	9,000	5.4	157,000
FEMALE 16+				
16 - 19	9,000	1,000	14.0	8,000
20 - 24	14,000	1,000	7.6	13,000
25 - 34	39,000	2,000	4.9	37,000
35 - 44	42,000	1,000	3.0	41,000
45 - 54	22,000	1,000	2.7	21,000
55 - 64	13,000	N/A	N/A	13,000
65+	4,000	N/A	N/A	4,000
TOTAL	143,000	6,000	4.5	137,000

N/A - Not available
Data may not add due to rounding.

SOURCE: U.S. DEPARTMENT OF LABOR, BUREAU OF LABOR STATISTICS

NOTE: DETAILED DATA FOR AGE GROUPS BEYOND 19 YEARS DO NOT MEET BLS PUBLICATION CRITERIA.

TABLE 15
VERMONT LABOR FORCE PARTICIPATION RATES BY SEX AND AGE
FOR SELECTED YEARS

AGE	1984	1987	1990
TOTAL 16+	68.0 %	71.5 %	70.8 %
16-19	59.2	67.4	61.0
20-24	80.0	86.2	80.0
25-34	86.1	88.9	89.2
35-44	84.4	89.7	90.6
45-54	81.2	83.0	84.5
55-64	59.5	60.1	55.9
65+	11.5	13.4	14.7
WOMEN 16+	58.0	64.0	63.6
16-19	58.8	71.3	60.4
20-24	70.4	83.1	76.0
25-34	75.5	80.3	81.3
35-44	75.1	82.2	86.5
45-54	69.7	72.8	74.3
55-64	47.3	53.1	47.3
65+	7.1	9.5	11.5
MEN 16+	78.1	79.5	78.4
16-19	59.7	64.1	61.6
20-24	88.8	89.6	84.6
25-34	95.5	97.5	97.1
35-44	94.5	97.1	94.8
45-54	92.5	93.1	93.9
55-64	72.3	68.7	65.6
65+	17.1	18.7	19.0

N/A - Not Available

SOURCE: U.S. DEPARTMENT OF LABOR, BUREAU OF LABOR STATISTICS

NOTE: DETAILED DATA FOR AGE GROUPS BEYOND 19 YEARS DO NOT MEET BLS PUBLICATION CRITERIA.

TABLE 16
VERMONT LABOR FORCE BY SEX AND RACE
1989 - 1990

BY SEX

	1989			1990		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Labor Force	307,000	165,000	142,000	309,000	166,000	143,000
Unemployment	11,000	6,000	6,000	15,000	9,000	6,000
Rate	3.7%	3.4%	4.1%	5.0%	5.4%	4.5%
Employment	296,000	159,000	137,000	294,000	157,000	137,000

BY RACE

	1989			1990		
	TOTAL	WHITE	NONWHITE	TOTAL	WHITE	NONWHITE
Labor Force	307,000	306,000	1,000	309,000	307,000	2,000
Unemployment	11,000	11,000	1/	15,000	15,000	1/
Rate	3.7%	3.7%	0.0	5.0%	5.0%	0.0
Employment	296,000	295,000	1,000	294,000	292,000	2,000

Data may not add to totals due to rounding.
N/A - Not available
1/ Less than 500

SOURCE: U.S. DEPARTMENT OF LABOR, BUREAU OF LABOR STATISTICS

TABLE 17
COMPARISON OF ANNUAL AVERAGE UNEMPLOYMENT RATES
UNITED STATES, NEW ENGLAND AND VERMONT
1978-1990

	UNITED STATES	NEW ENGLAND	VERMONT
1978	6.1%	5.7%	5.9%
1979	5.8%	5.4%	5.1%
1980	7.1%	6.0%	6.4%
1981	7.6%	6.3%	5.7%
1982	9.7%	7.8%	6.9%
1983	9.6%	6.8%	6.9%
1984	7.5%	4.9%	5.2%
1985	7.2%	4.4%	4.8%
1986	7.0%	3.9%	4.7%
1987	6.2%	3.4%	3.6%
1988	5.5%	3.1%	2.8%
1989	5.3%	3.8%	3.7%
1990	5.5%	5.7%	5.0%

SOURCE: VERMONT DEPARTMENT OF EMPLOYMENT & TRAINING, AND U.S. BLS

TABLE 18
VERMONT LABOR FORCE ESTIMATES BY COUNTY
1990 ANNUAL AVERAGE

COUNTY	CIVILIAN LABOR FORCE	NUMBER UNEMPLOYED	UNEMPL. RATE	TOTAL EMPLOYMENT
Addison	17,800	700	4.0 %	17,050
Bennington	20,350	1,100	5.4	19,250
Caledonia	13,650	850	6.2	12,800
Chittenden	78,650	2,600	3.3	76,050
Essex	3,200	250	7.5	2,950
Franklin	18,350	1,200	6.4	17,150
Grand Isle	2,750	200	6.7	2,550
Lamoille	12,150	700	5.7	11,450
Orange	13,150	650	4.9	12,500
Orleans	11,850	1,000	8.6	10,850
Rutland	35,050	1,550	4.4	33,450
Washington	29,500	1,650	5.6	27,850
Windham	23,450	1,200	5.1	22,250
Windsor	29,200	1,350	4.7	27,800
STATEWIDE	309,000	15,000	5.0	294,000

For methodology, see Glossary of Terms.
Data may not add to totals due to rounding.

SOURCE: VERMONT DEPARTMENT OF EMPLOYMENT AND TRAINING IN COOPERATION WITH U.S. BLS

TABLE 19
VERMONT LABOR FORCE ESTIMATES BY LABOR MARKET AREA
1990 ANNUAL AVERAGE

LABOR MARKET AREA	CIVILIAN LABOR FORCE	NUMBER UNEMPLOYED	UNEMP. RATE	TOTAL EMPLOYMENT
Barre-Montpelier	42,200	2,350	5.6 %	39,850
Bennington	20,350	1,100	5.4	19,250
Brattleboro	18,200	900	4.9	17,300
Burlington	78,250	2,550	3.3	75,700
Middlebury	17,450	700	4.0	16,750
Morrisville	12,150	700	5.7	11,450
Newport	13,550	1,200	8.7	12,400
Rutland	35,050	1,550	4.4	33,450
St. Albans	20,250	1,350	6.6	18,950
St. Johnsbury	14,200	850	6.1	13,300
Springfield	17,100	1,000	5.8	16,100
White River Jct.	20,350	800	3.9	19,550
STATEWIDE	309,000	15,000	5.0	294,000

For methodology, see Glossary of Terms.
Data may not add to totals due to rounding.

SOURCE: VERMONT DEPARTMENT OF EMPLOYMENT AND TRAINING IN COOPERATION WITH U.S. BLS

TABLE 20
CONCENTRATION OF FEMALE EMPLOYMENT
BY OCCUPATION IN VERMONT
1988-1990

OCCUPATIONAL CATEGORY	1988	1989	1990
Total	46.0 %	46.3 %	46.3 %
Executive & Managerial	41.7	39.5	37.5
Professional Specialty	50.0	54.5	55.6
Technicians & Related	44.4	50.0	55.6
Sales	46.7	50.0	48.6
Administrative Support, Including Clerical	79.5	81.0	81.8
Service	70.0	67.6	66.7
Precision Production, Craft	10.5	11.6	12.2
Machine Operators,Assemblers	50.0	43.5	42.9
Transportation	7.1	7.7	9.1
Handlers, Helpers, Laborers	22.2	20.0	18.2
Farmers, Forestry, Fishing	25.0	18.2	18.2

SOURCE: U.S. DEPARTMENT OF LABOR, BUREAU OF LABOR STATISTICS

NOTE: DATA DO NOT MEET BLS PUBLICATION CRITERIA FOR RELIABILITY.

TABLE 21
WOMEN'S SHARE OF THE LABOR FORCE AND THE UNEMPLOYED IN VERMONT
1980 - 1990

	LABOR FORCE	UNEMPLOYED
1990	46.3 %	40.0 %
1989	46.3	54.5
1988	46.0	50.0
1987	46.3	54.5
1986	45.6	50.0
1985	45.1	53.8
1984	43.1	42.9
1983	44.0	44.4
1982	43.8	44.4
1981	43.5	53.3
1980	42.8	50.0

SOURCE: U.S. DEPARTMENT OF LABOR, BUREAU OF LABOR STATISTICS, AND U.S. CENSUS BUREAU

TABLE 22
DISTRIBUTION OF VERMONT LABOR FORCE
BY PART TIME AND FULL TIME STATUS
1990

	TOTAL LABOR FORCE	EMPLOYED FULL-TIME	EMPL. P-T FOR ECONOMIC REASONS	EMPL. PART-TIME BY CHOICE	UNEM-PLOYED FULL-TIME	UNEM-PLOYED PART-TIME
		%	%	%	%	%
Both Sexes						
Age 16+	309,000	73.9	4.2	17.0	4.0	1.0
Age 16-19	18,000	28.9	6.1	49.4	7.2	7.2
Age 20+	292,000	76.5	4.0	14.9	3.8	.6
Male						
Age 16+	166,000	83.4	3.6	7.8	4.9	.5
Age 16-19	9,000	38.9	4.4	42.2	8.9	6.7
Age 20+	157,000	86.0	3.4	5.9	4.6	.2
Female						
Age 16+	143,000	62.9	5.0	27.7	3.0	1.5
Age 16-19	9,000	18.9	7.8	57.8	6.7	7.8
Age 20+	134,000	65.9	4.7	25.7	2.8	1.1

SOURCE: U.S. DEPARTMENT OF LABOR, BUREAU OF LABOR STATISTICS

NOTE: DETAILED DATA FOR AGE GROUPS BEYOND 19 YEARS DO NOT MEET BLS PUBLICATION CRITERIA.

TABLE 23
FEMALES NOT IN THE LABOR FORCE BY AGE AND REASON FOR VERMONT
1990

AGE	TOTAL	KEEPING HOUSE	GOING TO SCHOOL	UNABLE TO WORK	OTHER *
		%	%	%	%
16+	82,000	53.7	9.8	3.7	32.9
16-19	6,000	16.7	83.3	.0	16.7
20+	76,000	57.9	3.9	3.9	35.5
20-24	4,000	75.0	25.0	N/A	N/A
25-34	9,000	77.8	11.1	N/A	11.1
35-44	7,000	71.4	N/A	N/A	14.3
45-54	8,000	75.0	N/A	12.5	12.5
55-64	14,000	64.3	.0	7.1	35.7
65+	34,000	41.2	N/A	2.9	55.9

* - Retired, voluntarily idle, seasonal workers in the off season who are not looking for work, persons not looking for work due to age, lack of education or training, etc. or because of job market conditions, and unpaid family workers who work less than 15 hours per week.

N/A - Not Available

SOURCE: U.S. DEPARTMENT OF LABOR, BUREAU OF LABOR STATISTICS

TABLE 24
DISTRIBUTION OF VERMONT UNEMPLOYED BY DURATION OF UNEMPLOYMENT AND SEX, 1990

	0-4 WEEKS	5-14 WEEKS	15-26 WEEKS	27+ WEEKS	MEAN DURATION (WEEKS)
	%	%	%	%	
TOTAL	46.7	40.0	13.3	6.7	11.1
MALE	44.4	33.3	11.1	11.1	11.1
FEMALE	50.0	33.3	16.7	16.7	11.2

N/A - Not Available

SOURCE: U.S. DEPARTMENT OF LABOR, BUREAU OF LABOR STATISTICS

NOTE: DATA DO NOT MEET BLS PUBLICATION CRITERIA FOR RELIABILITY.

TABLE 25
PERCENTAGE OF JOBS FILLED BY WOMEN
BY INDUSTRIAL DIVISION AND COUNTY
1990

COUNTY	Ag.&For. %	Min. %	Const. %	Mfg. %	TPU %	Trade %	FIRE %	Svc. %	Tot.Private %	St.&Loc.Gvt. %	All Div. %
Addison	37.2	0	11.2	38.6	28.7	54.6	72.0	64.5	49.1	69.8	51.7
Bennington	40.9	40.0	10.4	35.6	24.1	56.9	73.0	66.4	51.5	61.3	52.5
Caledonia	55.7	22.2	11.6	25.9	35.9	52.6	69.7	69.9	47.6	62.6	49.9
Chittenden	50.0	2.7	10.2	34.9	33.3	48.6	64.0	64.8	47.8	61.2	49.5
Essex	9.0	0	14.8	22.9	25.0	65.2	87.5	58.6	30.3	68.2	36.8
Franklin	36.3	10.0	10.8	34.0	27.0	53.2	72.3	72.0	49.2	63.1	51.6
Grand Isle	50.0	0	9.4	42.1	23.8	62.5	90.0	55.2	47.8	74.8	56.1
Lamoille	32.3	16.6	11.7	42.3	33.4	54.0	72.3	57.0	50.2	60.4	51.6
Orange	41.8	11.7	13.1	36.3	24.2	47.5	74.0	65.1	46.9	63.7	50.2
Orleans	28.1	7.3	9.9	37.8	26.2	51.7	72.5	73.7	49.7	61.2	51.6
Rutland	38.4	8.8	11.5	28.2	27.7	48.8	67.3	66.2	46.3	58.9	47.9
Washington	45.0	3.9	11.1	28.8	24.0	47.7	68.1	65.1	49.4	54.8	50.6
Windham	50.0	0	11.6	39.2	21.0	47.2	70.9	61.5	47.8	58.7	48.8
Windsor	35.7	0	11.7	27.2	31.7	49.9	70.2	63.7	46.2	61.0	48.3
UNCLASSIFIED	23.0	0	5.9	10.5	10.0	24.0	18.6	40.1	25.4	57.2	34.5
STATEWIDE	41.4	6.8	10.9	33.3	29.1	49.7	67.5	64.6	47.8	60.3	49.6

Female employment not available for Federal Government.

1/ Nature of employers operations are such that employment cannot be segregated by county.

SOURCE: VERMONT DEPARTMENT OF EMPLOYMENT AND TRAINING, EMPLOYMENT COVERED BY THE UNEMPLOYMENT INSURANCE PROGRAM (ES-202)

CHART 14

ANNUAL AVERAGE UNEMPLOYMENT RATES
UNITED STATES, NEW ENGLAND, AND VERMONT
1980-1990

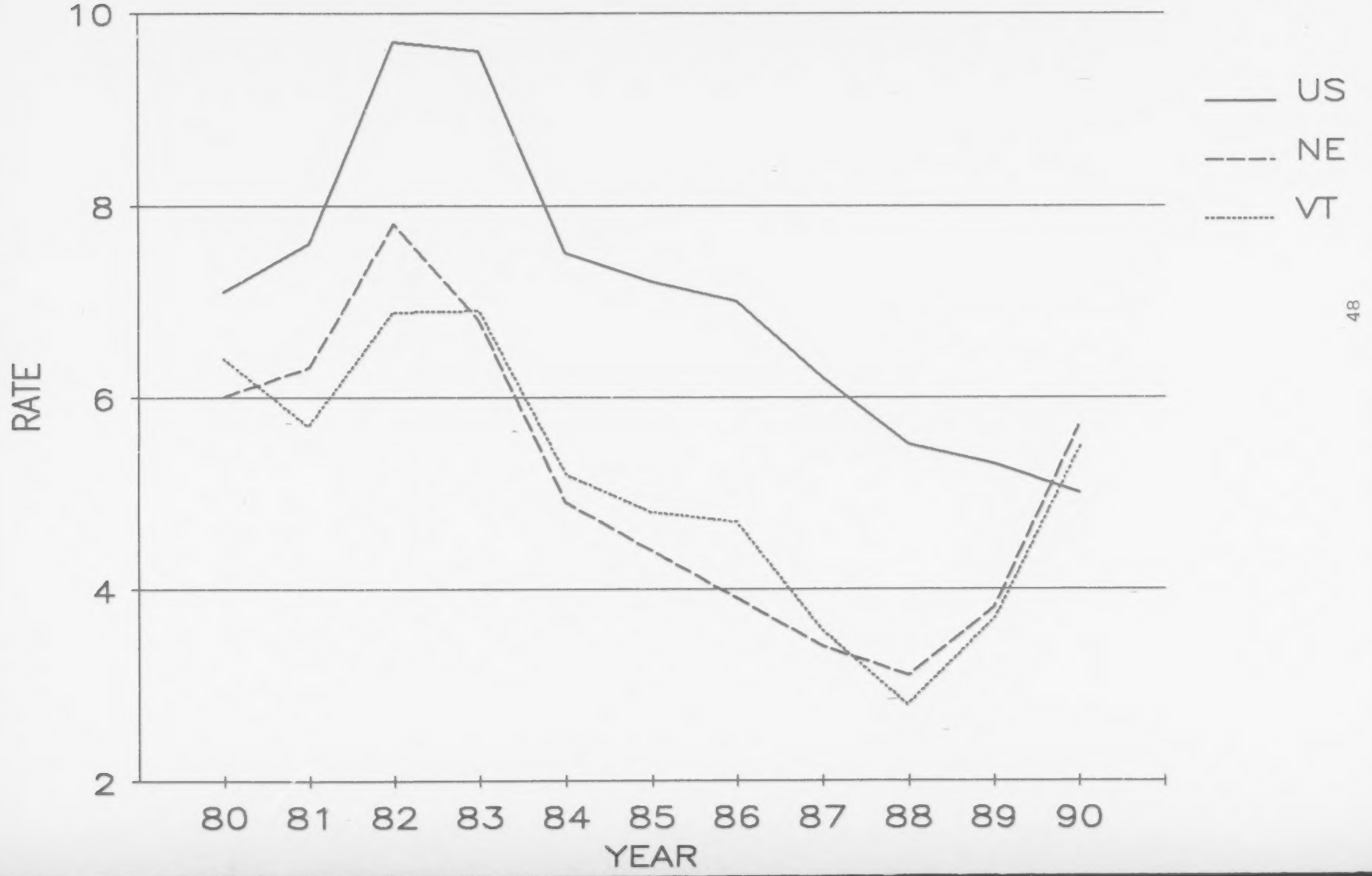


CHART 15

MALE AND FEMALE SHARE OF UNEMPLOYMENT
1980-90
VERMONT

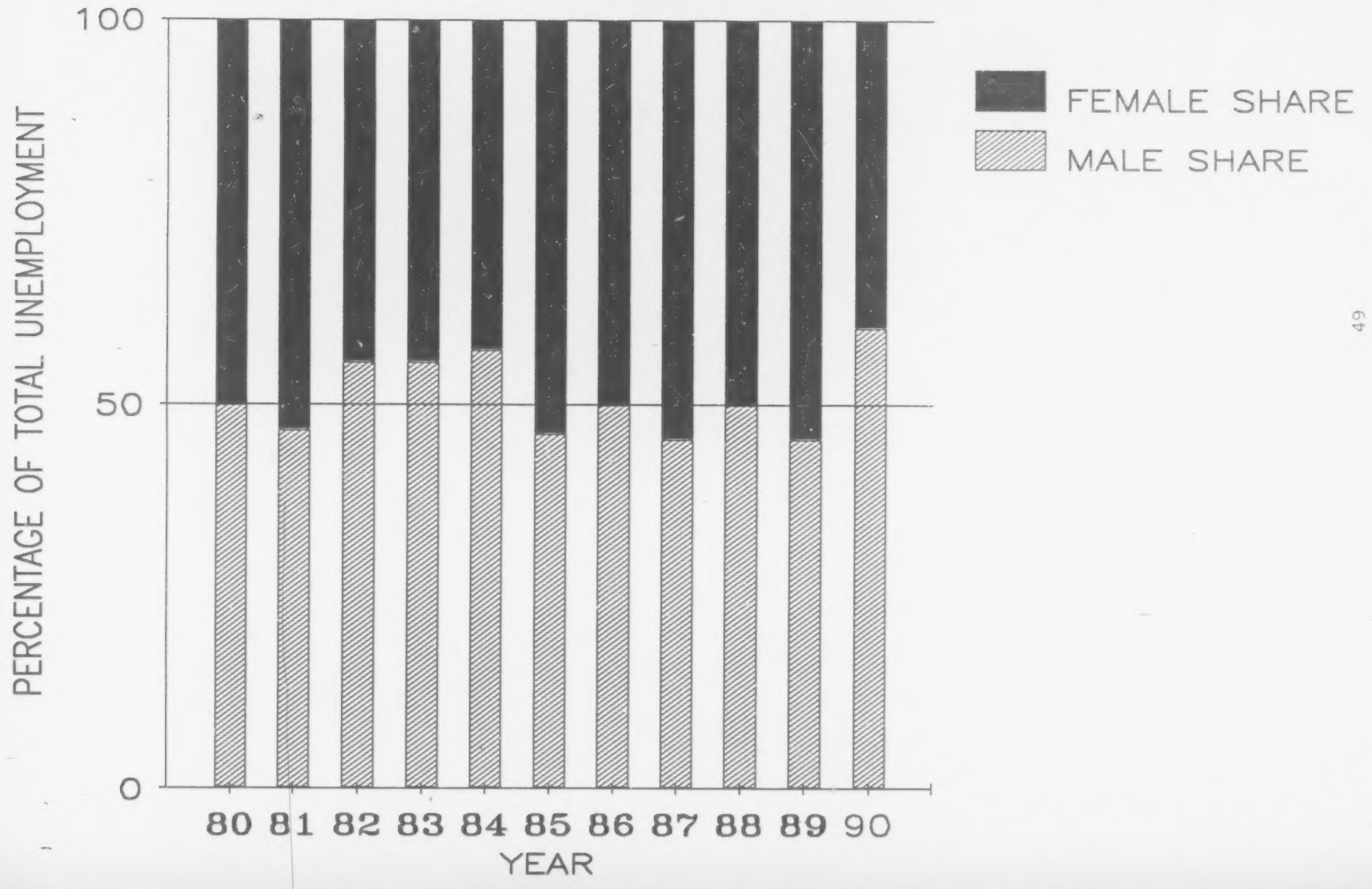
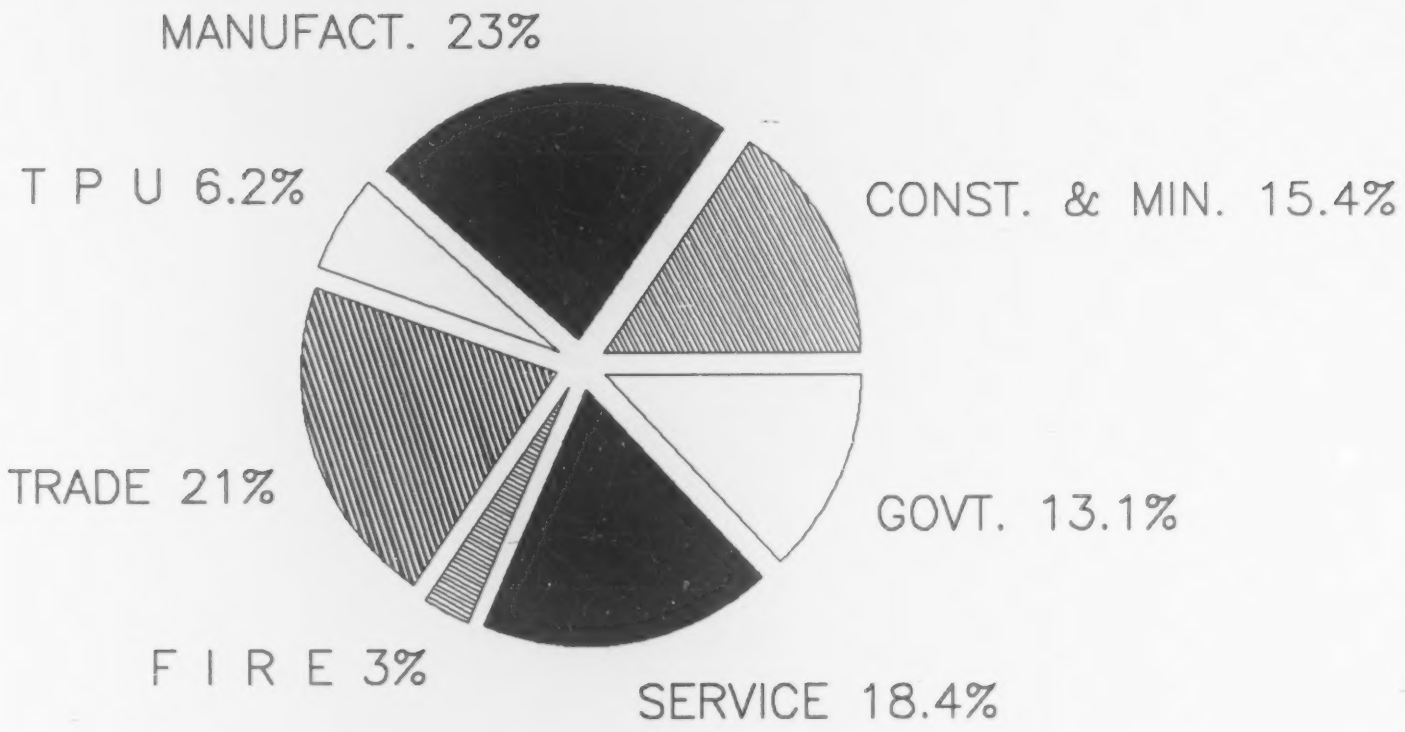


CHART 16

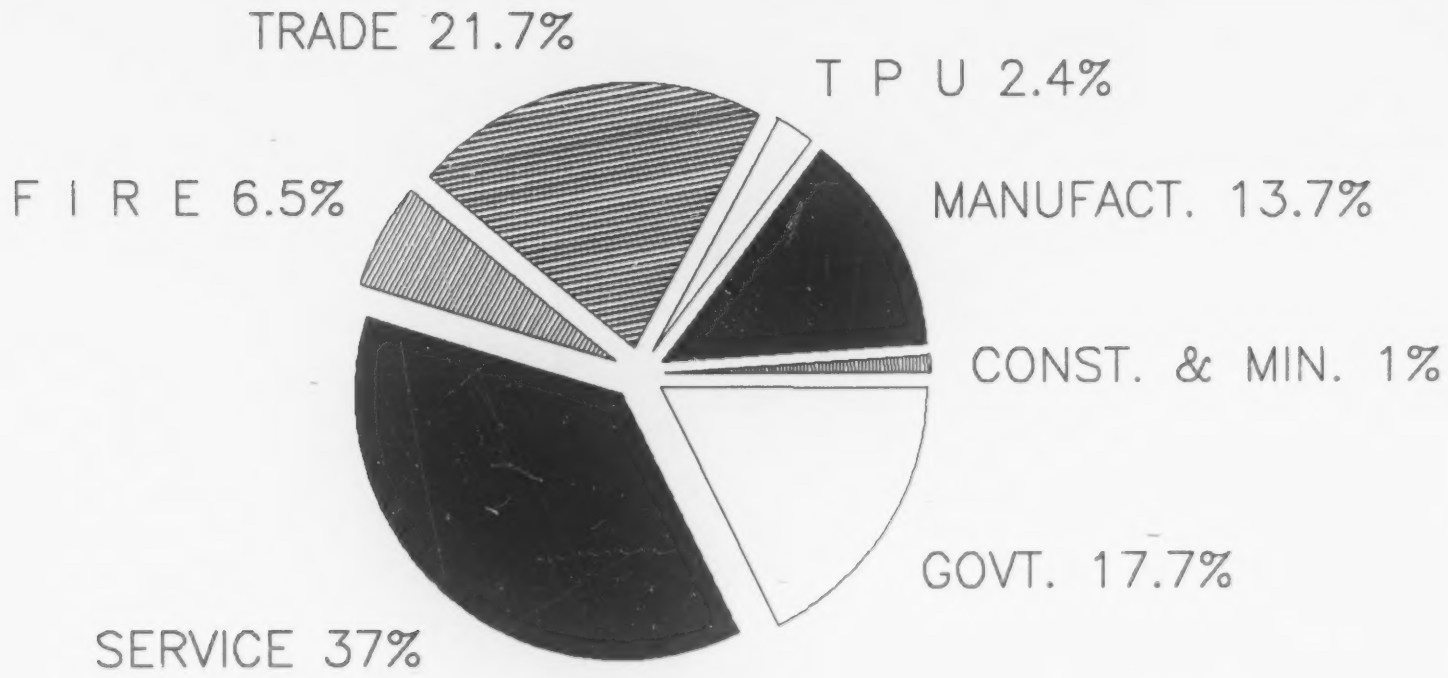
INDUSTRY ATTACHMENT OF THE EXPERIENCED LABOR FORCE VERMONT 1990



MALE

CHART 17

INDUSTRY ATTACHMENT OF THE EXPERIENCED LABOR FORCE VERMONT 1990



FEMALE

CHART 18

OCCUPATIONAL ATTACHMENT OF THE LABOR FORCE PERCENTAGE OF TOTAL EMPLOYMENT,BY SEX,VERMONT,1990

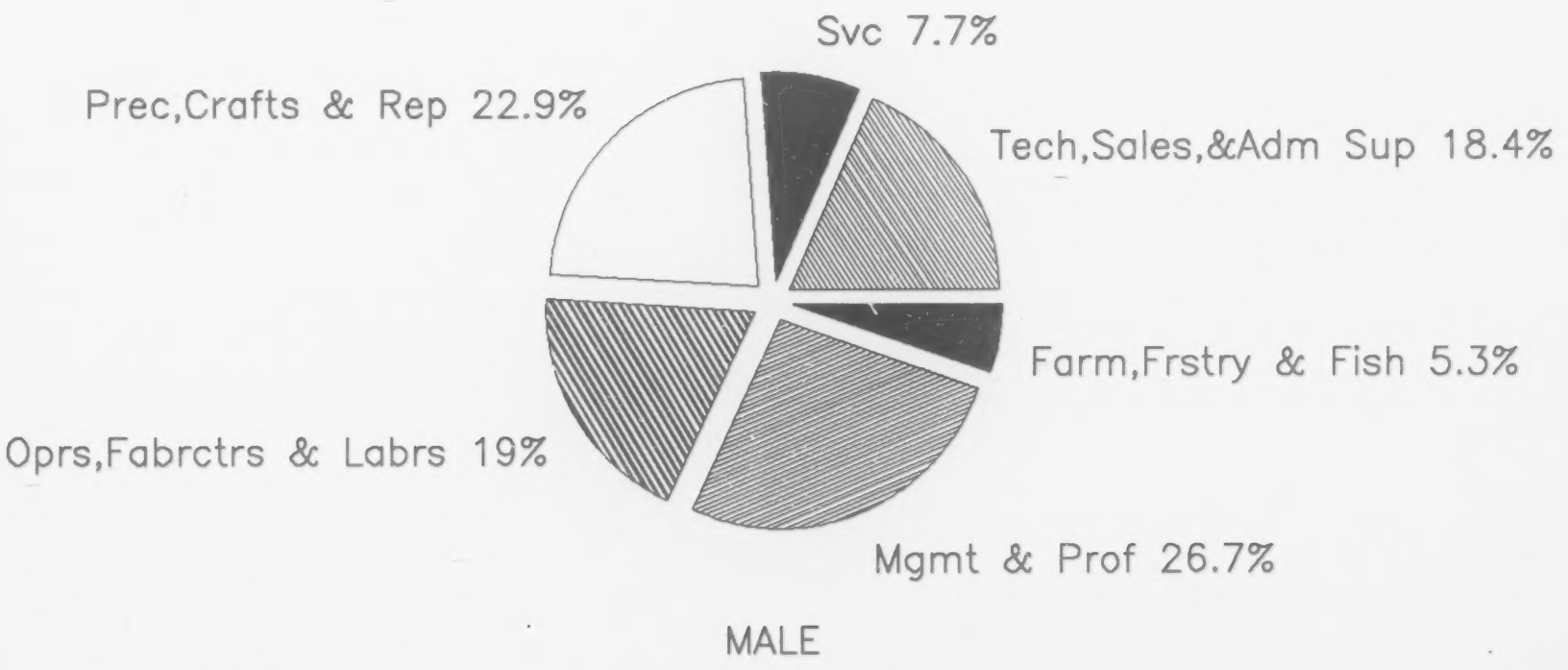


CHART 19

OCCUPATIONAL ATTACHMENT OF THE LABOR FORCE PERCENTAGE OF TOTAL EMPLOYMENT,BY SEX,VERMONT,1990

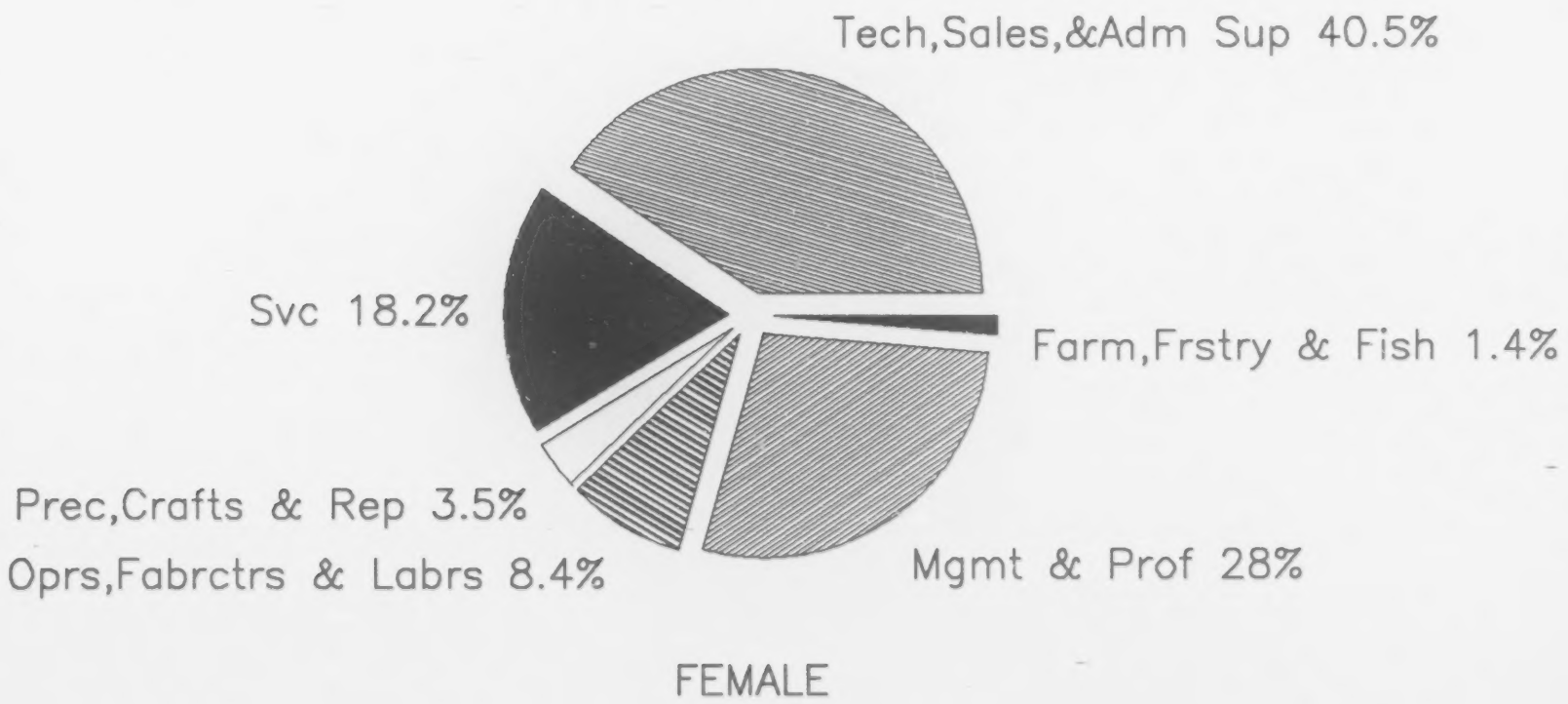


CHART 20

UNEMPLOYMENT RATES BY AGE & SEX VERMONT 1990

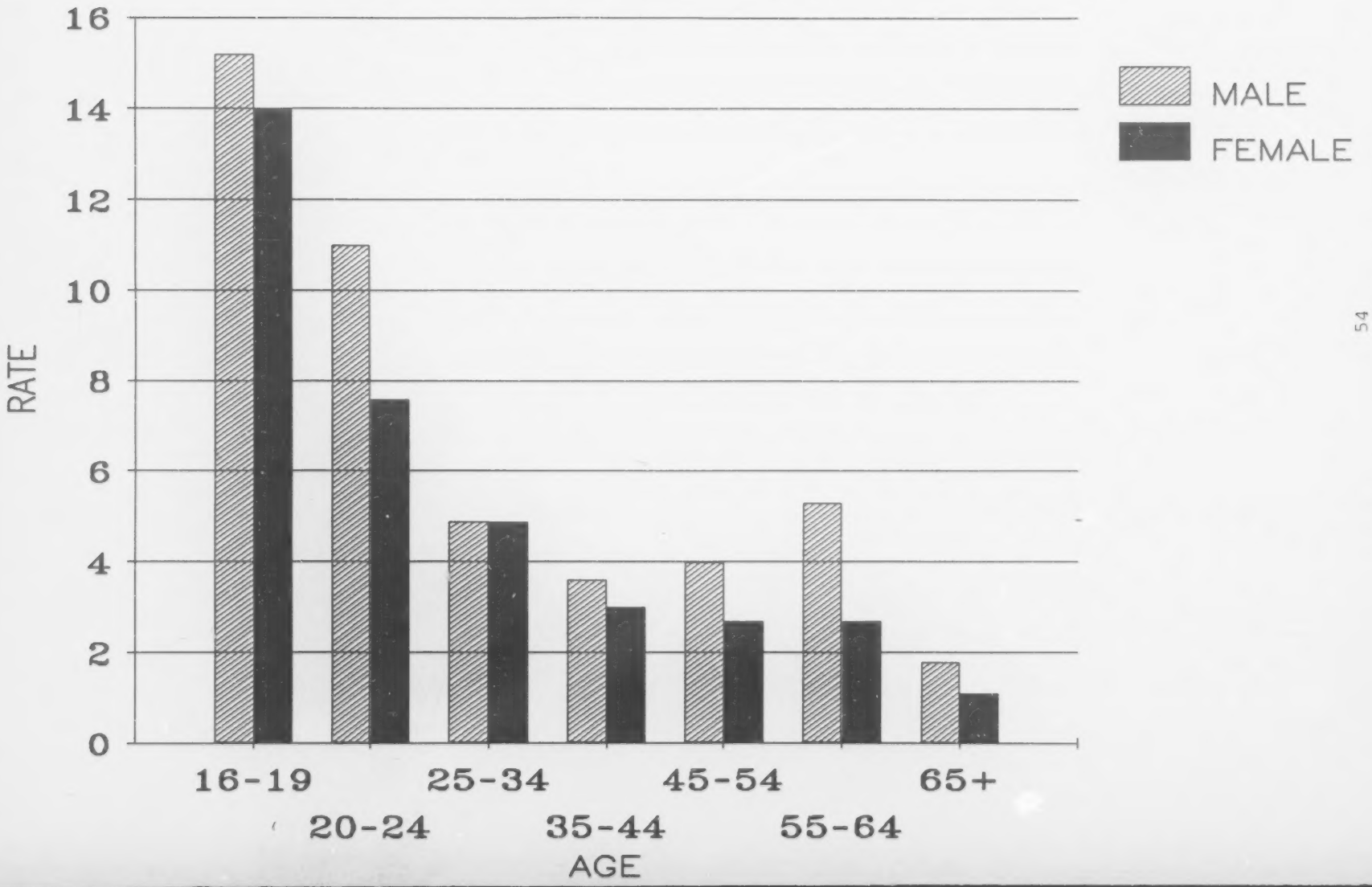


CHART 21

MALE AND FEMALE SHARE OF TOTAL LABOR FORCE
HISTORICAL DATA 1980-90
PROJECTED TREND LINE TO 1992
VERMONT

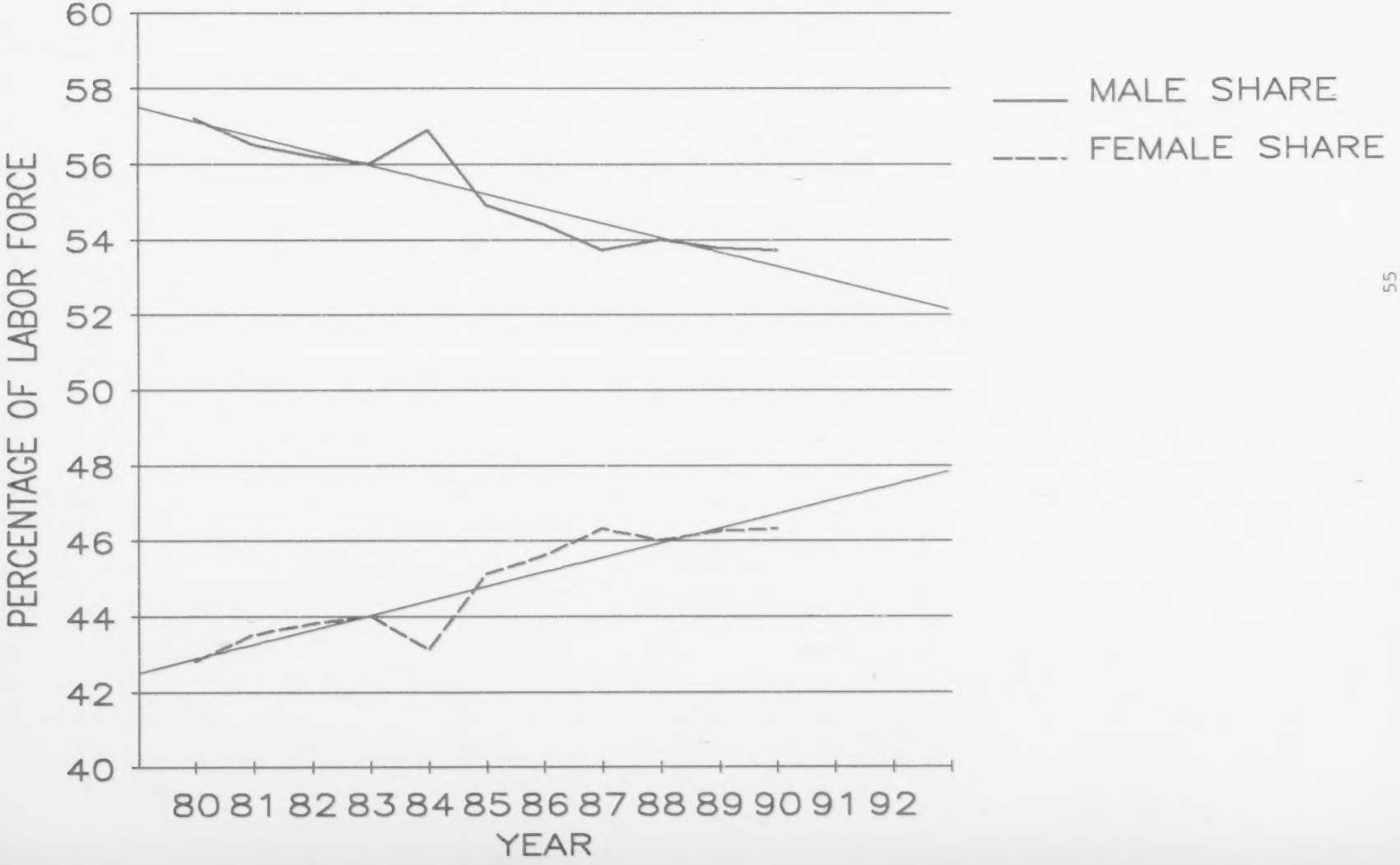
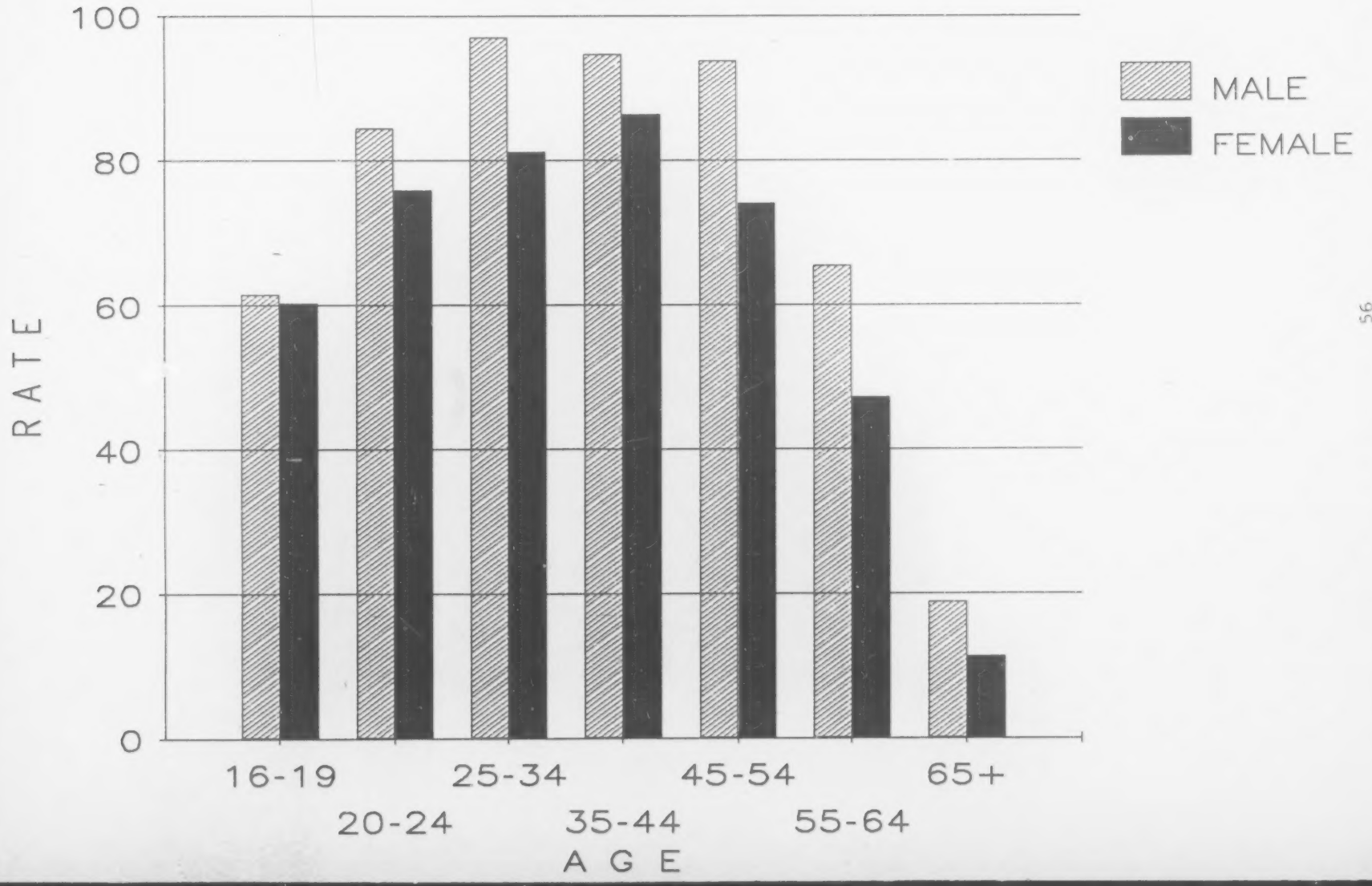


CHART 22

LABOR FORCE PARTICIPATION RATES BY AGE & SEX VERMONT 1990



V. LABOR SUPPLY AND DEMAND

Characteristics of Active Applicants

During FY91 (July 1990 - June 1991) there were 65,610 active applicants registered in Vermont's Department of Employment and Training district offices. This was 494 less than in FY90 and represented a 0.7% decrease. The number of male applicants increased by 1.0% and the number of female applicants fell by 3.0%.

The occupations of applicants shifted somewhat in FY91 as the professional category had the largest increase.

In looking at the age distribution of applicants, the only increase in the number of applicants was in the 40-54 age group. All other age groups decreased in number of applicants.

Over three-quarters of the job-seekers were high school graduates and over one-fourth of these had some additional schooling. The percentage increase was greater for those with the most education this year.

The number of veteran and handicapped applicants fell by 5.5% and 15.1% respectively.

Job Openings Received

The number of job openings received by district offices decreased from 18,822 in FY90 to 13,872 in FY91, a drop of 26.3%.

All occupational categories experienced fewer job openings this fiscal year. The sluggishness in Vermont's economy was evident as the drop in job orders in several of the occupational categories was over 30%.

There was a small increase in the number of jobs received with three days or less duration; however, because of the weaker economic conditions in FY91, there were fewer total and permanent job openings received.

The number of applicants per job openings received rose from 3.5 in FY90 to 4.7 in FY91, increasing for all occupations. Due to the depressed construction industry, Structural Work occupations in FY91 replaced Professionals as the leader in number of applicants per job order. Farming continues to have the least number of applicants per job order.

Table 28 gives a detailed look at Vermont's experienced civilian labor force. The experienced labor force is defined as the total of the employed and unemployed but excludes people trying to enter the labor force for the first time. The unemployment rates by occupation go from 16.5% for male laborers to 0.4% for male administrative support workers. Professionals make up the largest occupational category, while private household workers belong to the least numerous occupation. The N/A's in this table represent data that was not publishable because it was less than 500.

TABLE 26
CHARACTERISTICS OF FULLY REGISTERED ACTIVE APPLICANTS
VERMONT DEPARTMENT OF EMPLOYMENT AND TRAINING
FY 1990 AND FY 1991

CHARACTERISTICS	FY 1990 NUMBER	%	FY 1991 NUMBER	%	% CHANGE 1990 - 1991
TOTAL	66,104	100.0	65,610	100.0	-.7
SEX					
Male	37,222	56.7	37,602	57.3	1.0
Female	28,882	44.0	28,008	42.7	3.0
OCCUPATION					
Professional, Tech., Mgr	8,440	12.9	9,423	14.4	11.6
Clerical & Sales	14,892	22.7	13,632	20.8	-8.5
Service	11,181	17.0	12,026	18.3	7.6
Farming 1/	2,142	3.3	2,151	3.3	.4
Processing	1,023	1.6	1,081	1.6	5.7
Machine Trades	5,269	8.0	4,911	7.5	-6.8
Bench Work	3,247	4.9	3,238	4.9	-.3
Structural Work	12,529	19.1	12,483	19.0	-.4
Miscellaneous 2/	7,381	11.2	6,665	10.2	-9.7
AGES 3/					
15 and under	465	.7	352	.5	-24.3
16 - 19	6,231	9.5	5,531	8.4	-11.2
20 - 21	5,284	8.1	5,108	7.8	-3.3
22 - 39	37,012	56.4	36,416	55.5	-1.6
40 - 54	12,574	19.2	13,837	21.1	10.0
55 and over	4,439	6.8	4,306	6.6	-3.0
EDUCATION					
0 - 7	1,090	1.7	1,004	1.5	-7.9
8 - 11	14,326	21.8	13,877	21.2	-3.1
12	32,464	49.5	32,062	48.9	-1.2
12+	18,224	27.8	18,666	28.4	2.4
VETERAN	6,664	10.2	6,295	9.6	-5.5
Vietnam Era	2,682	4.1	2,639	4.0	-1.6
HANDICAPPED	2,171	3.3	1,844	2.8	-15.1

1/ Also includes Fishery and Forestry occupations.
2/ Motor Freight, Transportation, Packaging & Materials Handling and Other occupations.
3/ Age breakout may not equal total applicants due to reporting procedures.

SOURCE: VERMONT DEPARTMENT OF EMPLOYMENT AND TRAINING

TABLE 27
JOB OPENINGS RECEIVED
VERMONT DEPARTMENT OF EMPLOYMENT AND TRAINING
FY 1990 AND FY 1991

OCCUPATIONAL CATEGORY AND DURATION OF JOB	FY 1990 NUMBER	%	FY 1991 NUMBER	%	% CHANGE 1989-90
TOTAL	18,822	100.0	13,872	100.0	-26.3
OCCUPATION					
Professional, Tech., Mgr	1,264	9.1	1,255	9.0	-.7
Clerical & Sales	4,669	33.7	3,073	22.2	-34.2
Service	4,785	34.5	3,592	25.9	-24.9
Farming 1/	1,436	10.4	1,349	9.7	-6.1
Processing	279	2.0	172	1.2	-38.4
Machine Trades	1,017	7.3	642	4.6	-36.9
Benchwork	968	7.0	755	5.4	-22.0
Structural Work	2,401	17.3	1,542	11.1	-35.8
Miscellaneous 2/	2,003	14.4	1,492	10.8	-25.5
DURATION					
Over 150 days	12,553	90.5	9,419	67.9	-25.0
4 to 150 days	5,615	40.5	3,751	27.0	-33.2
3 days or less	654	4.7	702	5.1	7.3

1/ Also includes Fishery and Forestry occupations.
2/ Motor Freight, Transporation, Packaging & Materials Handling and Other occupations.

SOURCE: VERMONT DEPARTMENT OF EMPLOYMENT AND TRAINING

TABLE 28

VERMONT CURRENT POPULATION SURVEY

Persons in the experienced civilian labor force by employment status, by sex, race, and occupation and employed persons by age, sex, and occupation, 1990 annual averages,population-controlled.

(Numbers in thousands)

	Total	Managerial & Professional Specialities			Technical, Sales, & Adminstrative Support			
		Total	Exec./ Administrators	Professionals	Total	Technical	Sales	Administrative
Both Sexes, All Races								
Civilian labor force..	308	85	40	45	88	9	35	44
Employed.....	294	84	39	44	86	9	34	42
Unemployed.....	14	1	1	N/A	3	N/A	1	1
Unemployment rate %	4.6	1.7	2.4	1.1	3.0	2.2	3.2	2.9
White								
Civilian labor force..	306	84	40	44	88	9	35	43
Employed.....	292	83	39	44	85	9	34	42
Unemployed.....	14	1	1	N/A	3	N/A	1	1
Unemployment rate %	4.6	1.7	2.4	1.1	2.9	2.3	3.2	2.7
Male, All Races								
Civilian labor force..	166	45	25	20	31	5	19	7
Employed.....	157	44	24	20	31	4	19	7
Unemployed.....	8	1	1	N/A	N/A	N/A	N/A	N/A
Unemployment rate %	5.1	2.4	2.8	1.8	1.1	3.3	.8	.4
White								
Civilian labor force..	165	44	25	19	31	5	19	7
Employed.....	156	43	24	19	30	4	19	7
Unemployed.....	8	1	1	N/A	N/A	N/A	N/A	N/A
Unemployment rate %	5.1	2.4	2.8	1.9	1.1	3.4	.8	.4
Female, All Races								
Civilian labor force..	142	40	15	25	58	5	17	36
Employed.....	137	40	15	25	55	5	16	35
Unemployed.....	6	N/A	N/A	N/A	2	N/A	1	1
Unemployment rate %	4.0	1.0	1.7	.5	4.0	1.1	6.0	3.5
White								
Civilian labor force..	141	40	15	25	57	5	16	36
Employed.....	136	40	15	25	55	4	15	35
Unemployed.....	6	N/A	N/A	N/A	2	N/A	1	1
Unemployment rate %	3.9	1.0	1.7	.5	3.9	1.1	6.0	3.2
Employed								
Both Sexes, Age 16+...	294	84	39	44	86	9	34	42
Age 16-19.....	15	N/A	N/A	N/A	6	N/A	4	1
Age 20+.....	279	83	39	44	80	9	30	41
Male, Age 16+.....	157	44	24	20	31	4	19	7
Age 16-19.....	8	N/A	N/A	N/A	1	N/A	1	N/A
Age 20+.....	150	44	24	19	29	4	18	7
Female, Age 16+.....	137	40	15	25	55	5	16	35
Age 16-19.....	8	N/A	N/A	N/A	4	0	3	1
Age 20+.....	129	40	15	25	51	5	12	34

TABLE 28

VERMONT CURRENT POPULATION SURVEY

Persons in the experienced civilian labor force by employment status, by sex, race, and occupation, and employed persons by age, sex, and occupation, 1990 annual averages, population-controlled.

(numbers in thousands)

	Total	Service Occupations			Farm.Frstry.&Fish.	Prec.Prods.,&Rep.
		Private H	Protectiv	Other		
Both Sexes, All Races						
Civilian labor force..	39	2	3	34	11	41
Employed.....	36	2	3	32	10	39
Unemployed.....	3	N/A	N/A	3	1	3
Unemployment rate %	8.0	7.3	N/A	8.6	4.8	6.1
White						
Civilian labor force..	39	2	3	34	11	41
Employed.....	36	2	3	31	10	39
Unemployed.....	3	N/A	N/A	3	1	3
Unemployment rate %	7.9	7.3	N/A	8.6	4.8	6.1
Civilian labor force..	0	0	0	0	0	0
Employed.....	0	0	0	0	0	0
Unemployed.....	0	0	0	0	0	0
Unemployment rate %	0	0	0	0	0	0
Male, All Races						
Civilian labor force..	13	N/A	2	10	9	37
Employed.....	11	N/A	2	9	8	34
Unemployed.....	1	0	N/A	1	N/A	2
Unemployment rate %	9.5	.0	N/A	11.7	4.8	6.3
White						
Civilian labor force..	12	N/A	2	10	9	37
Employed.....	11	N/A	2	9	8	34
Unemployed.....	1	0	N/A	1	N/A	2
Unemployment rate %	9.5	.0	N/A	11.9	4.8	6.3
Female, All Races						
Civilian labor force..	26	2	1	24	2	5
Employed.....	25	2	1	22	2	4
Unemployed.....	2	N/A	N/A	2	N/A	N/A
Unemployment rate %	7.2	7.7	3.5	7.3	4.6	4.0
White						
Civilian labor force..	26	2	1	24	2	5
Employed.....	24	2	1	22	2	4
Unemployed.....	2	N/A	N/A	2	N/A	N/A
Unemployment rate %	7.1	7.7	3.5	7.2	4.6	4.1
Employed						
Both Sexes, Age 16+...	36	2	3	32	10	39
Age 16-19.....	4	N/A	N/A	4	1	1
Age 20+.....	32	2	3	28	9	38
Male, Age 16+.....	11	N/A	2	9	8	34
Age 16-19.....	2	N/A	N/A	2	1	1
Age 20+.....	10	N/A	2	7	8	33
Female, Age 16+.....	25	2	1	22	2	4
Age 16-19.....	2	N/A	N/A	2	N/A	N/A
Age 20+.....	22	1	N/A	20	2	4

TABLE 28

VERMONT CURRENT POPULATION SURVEY

Persons in the experienced civilian labor force by employment status, by sex, race, and occupation, and employed persons by age, sex, and occupation, 1990 annual averages, population-controlled.

(numbers in thousands)

	Operators, Fabricators and Laborers			
	Total	Machine Operators	Trnsp.& Mat.Moving	Handlers, Equipment
Both Sexes,All Races				
Civilian labor force..	44	21	11	11
Employed.....	40	20	10	10
Unemployed.....	4	1	1	2
Unemployment rate %	9.0	6.8	8.0	14.0
White				
Civilian labor force..	44	21	11	11
Employed...	40	20	10	10
Unemployed.....	4	1	1	2
Unemployment rate %	9.0	6.8	8.0	14.0
Civilian labor force..	0	0	0	0
Employed.....	0	0	0	0
Unemployed.....	0	0	0	0
Unemployment rate %	0	0	0	0
Male, All Races				
Civilian labor force..	32	12	11	9
Employed.....	29	11	10	8
Unemployed.....	3	1	1	2
Unemployment rate %	9.7	6.2	7.8	16.5
White				
Civilian labor force..	32	−12	11	9
Employed.....	29	11	10	8
Unemployed.....	3	1	1	2
Unemployment rate %	9.7	6.2	7.8	16.5
Female, All Races				
Civilian labor force..	12	9	1	2
Employed.....	11	8	1	2
Unemployed.....	1	1	N/A	N/A
Unemployment rate %	7.0	7.7	10.2	2.8
White				
Civilian labor force..	12	9	1	2
Employed.....	11	8	1	2
Unemployed.....	1	1	N/A	N/A
Unemployment rate %	7.0	7.7	10.2	2.8
Employed				
Both Sexes, Age 16+...	40	20	10	10
Age 16-19.....	3	1	N/A	2
Age 20+.....	37	19	10	8
Male, Age 16+.....	29	11	10	8
Age 16-19.....	2	N/A	N/A	2
Age 20+.....	26	11	9	6
Female, Age 16+.....	11	8	1	2
Age 16-19.....	1	N/A	0	N/A
Age 20+.....	10	8	1	2

GLOSSARY

Civilian Labor Force - an estimate of all people over 16 years of age who are either employed or unemployed.

Compound Annual Growth Rate - the constant percentage growth that would occur each year over the time span specified.

Consumer Price Index (CPI) - a measure of the average change in prices over time produced by U.S. Bureau of Labor Statistics for a fixed market basket of goods and services.

Current Population Survey - is a monthly survey of households conducted by the Bureau of the Census resulting in estimates of employed and unemployed nationwide and for selected states and areas.

Insured Unemployment - the number of people receiving unemployment insurance benefits.

Labor Force Methodology - VCM (Variable Coefficient Model) estimates are based on regression analysis. The VCM methodology is the basis of the official estimates from 1978 to the present.

Labor Force Participation Rate - the proportion of the population over 16 years of age which is in the labor force.

Per Capita Personal Income - a measure of the total personal income of the residents of a given area divided by the resident population of the area.

Total Employment - an estimate of residents who earned wages during the week including the 12th of the month. This estimate includes residents employed in wage and salary jobs as well as agricultural workers, domestics, self-employed and unpaid family workers and workers on strike.

Total Unemployment - is an estimate of the number of residents who were not working during the survey week, but were able and available for work.

Transfer Payments - Income payments to persons for which they do not render current services(retirement, disability, welfare, unemployment,....).

Trend Line - regression curve that gives historical and anticipated movement in a data series.

Wage and Salary Employment - an estimate of the number of individual jobs by place of work during the week including the 12th of the month.

INDUSTRY ABBREVIATIONS

Several graphs and some tables in this publication use abbreviations for industrial titles. Listed below is an index of the abbreviations used.

MINING	MIN
CONSTRUCTION	CONST
MANUFACTURING	MFG
GOODS PRODUCERS	GOODS PRODS
TRANSPORTATION AND PUBLIC UTILITIES	TRANSP & PUB UTIL TPU
FINANCE, INSURANCE, AND REAL ESTATE	FIN, INS REAL EST. FIRE
SERVICES	SVCS
FEDERAL GOVERNMENT	FEDGVT
STATE & LOCAL GOVERNMENT	ST & LOC GOVT
STATE GOVERNMENT	STGVT
LOCAL GOVERNMENT	LOCGVT